



Express Mail No.: EV 860865791 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICATION NO:	10/812,351
	FILING DATE:	5/29/2004
	FIRST NAMED INVENTOR:	Gary Durack,
	ART UNIT:	1797
	EXAMINER NAME:	Maureen Wallenhorst
	DOCKET NO:	Inguran-Pulse-US

I. US PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if known)	PUB'N DATE	PATENTEE OR APPLICANT NAME	Pages, Columns, Lines Where Relevant Passages Or Relevant Drawings Appear
	3,299,354 reissued as Re. 29,141	12/17/1967 Reissue date 02/22/1977	Hogg	
	34,782	11/8/1994	Dandliker et al.	

II. US PATENT PUBLICATION DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if	PUB'N DATE	PATENTEE OR APPLICANT NAME	Pages, Columns, Lines Where Relevant Passages Or Relevant
	2001/0006416 A1	7/5/2001	Johnson	
	2002/0047697 A1	4/25/2002	Husher et al.	
	2002/0058332 A1	5/16/2002	Quake et al.	
	2002/0064809 A1	5/30/2002	Mutz et al.	
	2002/0096123 A1	7/25/2002	Whittier et al.	
	2002/0115055 A1	8/22/2002	Matta	
	2002/0119558 A1	8/29/2002	Seidel et al.	
	2002/0171827 A1	11/21/2002	Van den Engh	
	2002/0182590 A1	12/2/2002	Strange et al.	
	2002/0186874 A1	12/12/2002	Price et al.	
	2002/0198928 A1	12/26/2002	Bukshpan et al.	
	20020131957 A1	9/19/2002	Gavin	
	20020186375 A1	12/12/2002	Asbury et al.	
	2003/0048433 A1	3/13/2003	Desjonqueres	
	2003/0059764 A1	3/27/2003	Ravkin et al.	
	2003/0059945 A1	3/27/2003	Dzekunov et al.	
	2003/0078703	4/24/2003	Potts	
	2003/0096405 A1	5/22/2003	Takayama et al.	
	2003/0113765 A1	6/19/2003	Dempcy et al.	
	2003/0119050 A1	6/26/2003	Shai	
	2003/0119206 A1	6/26/2003	Shai	
	2003/0129091 A1	1/10/2003	Seidel et al.	
	2003/0157475 A1	8/21/2003	Schenk	
	2003/0165812 A1	9/4/2003	Takayama et al.	
	2003/0175917 A1	9/18/2003	Cumming	
	2003/0175980 A1	9/18/2003	Hayenga et al.	
	2003/0190681 A1	10/9/2003	Shai	
	2003/0207461 A1	11/6/2003	Bell et al.	
	2003/0209059 A1	11/13/2003	Kawano	
	2003/098421 A1	11/27/2003	Ho	
	2004/0005582 A1	1/8/2004	Shipwast	
	2004/0031071 A1	2/12/2004	Morris et al.	
	2004/0034879 A1	2/19/2004	Rothstein et al.	
	2004/0034879 A1	2/19/2004	Rothstein et al.	
	2004/0049801 A1	3/11/2004	Seidel	
	2004/0053243 A1	3/18/2004	Evans	
	2004/0055030 A1	3/18/2004	Maxwell et al.	
	2004/0061070 A1	4/1/2004	Hansen	
	2004/0061070 A1	4/1/2004	Hansen	
	2004/0061853 A1	4/1/2004	Blasenheim	
	2004/0062685 A1	4/1/2004	Norton et al.	
	20040132001 A1	7/8/2004	Seidel et al.	
	2005/0003472 A1	1/6/2005	Anzar et al.	
	2005/0112541 A1	5/26/2005	Durack, G.	
	2005/0214733 A1	9/29/2005	Graham, J.A.	
	20050011582 A1	1/20/2005	Haug	
	200500282245 A1	12/22/2005	Ludwig et al.	
	20050064383 A1	3/24/2005	Bashkin et al.	

	20050244805 A1	11/3/2005	Ludwig et al.	
	20060118167 A1	6/8/2006	Neas et al.	
	20060147894 A1	7/6/2006	Sowter, David Brian	
	20060263829 A1	11/15/2006	Evans et al.	
	20060281176 A1	12/14/2006	Seidel et al.	
	2007/0017086	5/1/2007	Evans et al.	
	20070026378 A1	2/1/2007	Schenk	
	20070026379 A1	2/1/2007	Seidel et al	
	20070042342 A1	2/22/2007	Seidel et al.	
	20070092860 A1	4/26/2007	Schenk	
	20070099171A1	5/3/2007	Schenk	
	20070099260A1	5/3/2007	Seidel et al.	

III. FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Foreign Patent Document Country Code, Number, Kind Code (if known)	PUB'N DATE mm-dd-yyyy	PATENTEE OR APPLICANT NAME	TRANSLATION	
				Yes	No
	BR 9704313	6/4/1999	Alves, E.		
	EP 0538786 A	04/28/1993	Serra Piero		
	EP 0025296A2	03/18/1981	Ortho Diagnostic Systems, Inc.		
	EP 0 160 201 A2		Becton Dickinson & Co.		
	EP 0276166A2	7/27/1988	Donaldson, Lloyd E.		
	EP 0288029B1	04/20/1988	Hitachi, LTD		
	EP 0 461 618	12/18/1991	Becton Dickinson		
	EP 0468100A1	1/29/1992	TOA Medical Electronics Co., LTD		
	EP 0570102 A1	3/31/1993	Ovamed Corporation		
	EP 1 403 633 A3	4/7/2004	Becton Dickinson and company		
	EP 1250897 A1	10/23/2002	Iberica de Reproduccion Asstida S.L.		
	EP-A-0 366794	5/9/1990	Terumo, K.K.		
	EP-A-0 478155	1/28/1998	Ovamed Corporation		
	JP2024535	1/26/1990	Canon, Inc.		
	JP4126064 (A)	04/27/1992	Nitto Shokai: K.K.		
	JP4126065 (A)	4/27/1992	Okonogi, Saburo		
	JP4126066 (A)	4/27/1992	P C C Technol: K.K.		
	JP4126079 (A)	4/27/1992	Diawa Kasei K.K.		
	JP4126080 (A)	4/27/1992	Udaka Juzo		
	JP4126081 (A)	4/27/1992	Technol KK		
	JP61139747 (A)	6/27/1986	Canon Inc.		
	JP61159135 (A)	7/18/1986	Canon, Inc.		
	WO 88/07198	9/22/1988	Coulter Electronics, Inc.		
	WO 90/13315 A1	11/15/1990	CYTOGAM, INC		
	WO 96/12171 A2	4/25/1996	University of Washington Van Den Engh, Ger		
	WO 96/31764	10/10/1996	ALFA LAVAL AGRI AB		
	WO 98/34094 A1	8/6/1998	The Horticulture and Food Research Institute		
	WO 99/05504 A2	2/4/1999	The USA as represented by the Secretary of Agriculture		
	WO 99/33956 A1	7/8/1999	Colorado State University through its agent Colorado State University Research Foundation		
	WO 99/38883 A1	8/5/1999	XY, Inc.		
	WO 99/42810 A1	8/26/1999	Colorado State University through its agent Colorado State University Research Foundation		
	WO 99/44037 A1	9/2/1999	Cytomation, Inc		
	WO 00/06193 A1	2/10/2000	CSURF		
	WO 01/37655 A1	5/31/2001	XY INC.		
	WO 01/40765 A2	6/7/2001	XY INC.		

	WO 01/51612 A1	7/19/2001	Istituto Sperimentale Italiano "Lazzaro Spallanzani"		
	WO 01/85913 A2	11/15/2001	XY INC.		
	WO 01/85913 A3	11/15/2001	XY INC.		
	WO 01/90295 A1	11/29/2001	CYTOMATION, INC.		
	WO 01/95815 A1	12/20/2001	XY INC.		
	WO 02/19943 A1	3/14/2002	UNIVERSITEIT GENT		
	WO 02/28311 A1	4/11/2002	XY INC.		
	WO 02/43486 A1	6/6/2002	XY INC.		
	WO 02/43574 A3	6/6/2002	XY INC.		
	WO 04/009237 A2	1/29/2004	XY, Inc.		
	WO 04/012837 A2	2/12/2004	XY, Inc.		
	WO 04/017041 A2	2/26/2004	XY INC.		
	WO 04/024227 A2	3/25/2004	XY, Inc.		
	WO 04/104178 A2	12/2/2004	XY, Inc.		
	WO 2004/087177 A1	10/14/2004	Monsanto Technology LLC		
	WO 2004/088283 A2	10/14/2004	Monsanto Technology LLC		
	WO 01/40765 A3	6/7/2001	XY.INC		
	WO 04/017041 A3 Search Report	2/26/2004	XY INC.		
	WO 04/012837 A3 Search Report	2/12/2004	XY, Inc.		
	WO 04/009237 A3	1/29/2004	XY, Inc.		
	EP 606847 A2	7/20/1994	National Institute of Animal Husbandry (JP)		
	WO 2005/095960 A1	10/13/2005	Ludwig, C.		
	WO 2005/095590 A2	10/13/2005	Ludwig, C		
	WO 2005/094852 A2	10/13/2005	Graham, J.		
	WO 02/41906 A2	05/30/2002	Pharmacia Corporation		
	WO 2004/059282 A2	7/15/2004	Nagappan, M.		
	WO 2004/003697 A2	10/8/2004	Monsanto Technology LLC		
	WO 2004/104178 A3	12/2/2004	XY, Inc.		
	WO 04/024227 A3	3/25/2004	XY, Inc.		
	WO 9317322 A1	9/02/1993	Univ. of Hertfordshire GB		
	UK 1471019	4/21/1977	United Aircraft Corp.		
	WO 2006012597 A2	2/2/2006	Monsanto Technology LLC		
	WO 2002041906 A2	11/21/2001	Pharmacia Corp. (c/o Monsanto Company)		
	WO 2003020877 A2	8/15/2002	Pharmacia Corp. (c/o Monsanto Company)		
	WO 2007016090 A2	2/8/2007	XY, Inc.		
	EP 0140616	5/8/1985	Technicon Instruments Corp.		
	WO 199105236	4/18/1991	Aerometrics, Inc.		
	WO 2006060770 A2	8/6/2006	XY, Inc.		
	ZL 03109426.0	12/21/2005	Inner Mongolia Mengniu Reproductive Biotechnology Co. Ltd.		
	WO 2001029538	4/26/2001	Becton Dickinson and Company		
	WO 01/68110	9/20/2001	Oncosis		

	WO 02/19594	3/7/2002	Arizona Board of Regents, Acting on Behalf of Arizona State University		
	GB 2145112	2/3/1985	Milk Marketing Board		
	WO 00/54026	9/14/2000	Christensen, et al.		
	CA 1029833	4/18/1978	Goehde, et al.		
	CA 1 250 808	3/7/1989	Dresser, D. et al.		
	CA 2,113,957 A1	1/21/1994	Wildeman, A. et al.		
	EP 0 822 401 A2	4/2/1998	Behringer, B. et al.		
	EP 0 025 296 B1	5/15/1985	Ortho Diagnostic Systems INC.		
	EP 1 118 268 A1	7/25/2001	Artemis Pharmaceuticals		
	EP 0 026 770 B1	3/16/1983	Ernst, L.		
	EP 0 029 662 B1	2/29/1984	Ortho Diagnostic Systems INC.		
	EP 0 046 345 A2	2/24/1982	Ortho Diagnostic Systems INC.		
	EP 0 068 404 B1	1/5/1983	Becton, Dickinson and Co.		
	EP 0 158 147 A2	10/16/1985	Becton, Dickinson and Co.		
	EP 0 229 814 B1	7/29/1987	Steen, H. et al.		
	EP 0 246 604 A2	11/25/1987	Becton, Dickinson and Co.		
	EP 0 279 000 B1	7/21/1993	Ratcom, Inc		
	EP 0 288 029 B1	1/12/1994	Hitachi, LTD.		
	EP 0 289 200 B2	8/24/1994	Preikschat, F. et al.		
	EP 0 289 677 A2	11/9/1988	Preikschat, F. et al.		
	EP 0 316 171 B1	9/30/1992	Government Of The United Kingdom		
	EP 0 316 172 B1	7/29/1992	Government Of The United Kingdom		
	EP 0 316 173 A1	5/17/1989	Government Of The United Kingdom		
	EP 0 317 809 A2	5/31/1989	Becton, Dickinson and Co.		
	EP 0 360 487 B1	7/9/1997	Hitachi, LTD.		
	EP 0 361 503 B1	11/30/1994	TOA Medical Electronics Co. LTD.		
	EP 0 361 504 B1	7/27/1994	TOA Medical Electronics Co. LTD.		
	EP 0 381 694 B1	6/1/1994	United States Department of Energy		
	EP 0 409 293 A2	1/23/1991	Becton, Dickinson and Co.		
	EP 0 412 431 B1	10/29/1997	Becton, Dickinson and Co.		
	EP 0 430 402 B1	1/27/1999	The Regents of the University Of California		
	EP 0 463 562 A1	1/2/1992	Flow Science, INC.		
	EP 0 471 758 B1	9/11/1996	United States of America		
	EP 0474 187 A2	3/11/1992	Hitachi, LTD.		
	EP 0 526 131 B1	1/21/1998	TOA Medical Electronics Co. LTD.		
	EP 0 529 666 B1	4/12/2000	Omron Corporation		
	EP 0 534 033 B1	11/28/2001	Fahim, M.		
	EP 0 545 284 B1	2/5/1997	Canon Kabushiki Kaisha Tokyo		
	EP 0 553 951 A1	8/4/1993	TOA Medical Electronics Co. LTD.		
	EP 0 555 212 B1	10/12/1994	Biophos Medical		

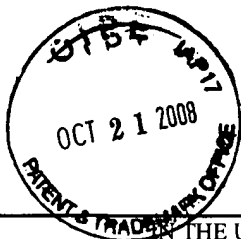
	EP 0 556 748 B1	10/28/1998	Canon Kabushiki Kaisha Tokyo		
	EP 0 662 124 B1	6/12/2002	Systemix, INC.		
	EP 0 696 731 A2	2/14/1996	TOA Medical Electronics Co. LTD.		
	EP 0 705 978 A2	4/10/1996	Bayer Corporation		
	EP 0 711 991 A1	5/15/1996	TOA Medical Electronics Co. LTD.		
	EP 0 736 765 A1	10/9/1996	Becton, Dickinson and Co.		
	EP 0 748 316 B1	5/8/2002	Sunkyong Industries Co., LTD.		
	EP 0 752 133 B1	6/28/2000	Coulter Corporation		
	EP 0 822 404 A3	2/4/1998	Bayer Corporation		
	EP 0 925 494 B1	12/19/2001	Scandinavian Micro Biodevices		
	EP 0 994 342 A3	4/19/2000	Sysmex Corporation		
	EP 1 018 644 A2	7/12/2000	Bayer Corporation		
	EP 1 100 400 B1	5/19/2004	Kisfeld, A.		
	EP 1 147 774 A1	10/24/2001	Stichting Dienst Landbouwkundig Onderzoek		
	EP 1 245 944 A3	10/2/2002	Sysmex Corporation		
	EP 1 249 502 A2	10/16/2002	Hitacci Software Engineering Co., Ltd.		
	EP 1 257 168 B1	2/2/2005	XY, Inc.		
	WO 02/23163 A1	3/21/2002	California Institute Of Technology		
	EP 1 380 304 A2	1/14/2004	Applied Research Systems ARS		
	GB 2 144 542 A	3/6/1985	Neal, L. et al.		
	GB 2 121 976 A	1/4/1984	International Remote Imaging Systems Inc.		
	GB 2 122 369 A	1/11/1984	International Remote Imaging Systems Inc.		
	GB 2 125 181 A	2/29/1984	Coulter Electronics Inc.		
	GB 2 136 561 A	9/19/1984	Coulter Corporation		
	GB 2 137 352 A	10/3/1984	Coulter Corporation		
	GB 2 153 521 A	8/21/1985	United States Department of Energy		
	GB 2 243 681 A	11/6/1991	Gaial Laboratories Ltd.		
	GB 2 360 360 A	9/19/2001	University of Bristol U.K.		
	WO 01/75161 A2	10/11 01	Iowa State University Research Foundation		
	WO 99/44035	9/2/1999	Coulter International Corp.		
	WO 02/057775 A1	7/25/2002	Cytomation, Inc.		
	WO 96/12172	4/25/1996	University of Washington U.S.		
	WO 2004/006916 A1	1/22/2004	Applied Research Systems ARS		
	WO 2004/046712 A2	6/3/2004	University of Virginia Patent Foundation U.S.		
	WO 93/10803	6/10/1993	British Technology Group LTD., G.B.		
	WO 03/ 072765 A1	9/4/2003	The Regents of the University Of Michigan U.S.		
	WO 02/060880 A1	8/8/2002	The Universite De Geneve		

	WO 02/092247 A1	11/21/2002	Cytomation, Inc.		
	WO 2006/015056 A2	2/9/2006	Dako-Cytomation, Denmark		
	WO 03/008937 A2	1/30/2003	The Regents of the University Of Michigan U.S.		
	WO 02/052244 A2	7/4/2002	Amer-Sham Biosciences AB		
	WO 00/12204	3/9/2000	University Of Washington U.S.		
	WO 00/36396	6/22/2000	Union Biometrica, INC., U.S.		
	WO 00/49387	8/24/2000	IDEXX Laboratories, INC., U.S.		
	WO 00/56444	9/28/2000	Torsana Biosensor		
	WO 00/70080	11/23/2000	Caliper Technologies Corp. U.S.		
	WO 01/02836 A1	1/11/2001	Becton, Dickinson and Company U.S.		
	WO 01/28700 A1	4/26/2001	Cytomation, Inc. U.S.		
	WO 01/42757 A2	6/14/2001	Oregon Health Sciences University U.S.		
	WO 01/61313 A2	8/23/2001	(MWI, Inc.) Danam Electronics		
	WO 01/68226 A2	9/20/2001	University of Bristol U.K.		
	WO 01/71348 A1	9/27/2001	The Board Of Trustees of the Leland Stanford Junior University U.S.		
	WO 02/01189 A1	1/3/2002	Gnothis Holding S.A.		
	WO 02/04666 A2	1/17/2002	Cambridge University Technical Services Limited		
	WO 02/054044 A2	7/11/2002	Picoliter Inc. U.S.		
	WO 02/077637 A1	10/3/2002	Infigen, Inc. U.S.		
	WO 02/092161 A1	11/21/2002	Bio-Phan, LLC. U.S.		
	WO 02/20850 A2	3/14/2002	Iowa State University Research Foundation U.S.		
	WO 02/21102 A2	3/14/2002	Guava Technologies, Inc. U.S.		
	WO 02/25269 A2	3/28/2002	The University of Manchester		
	WO 02/26114 A2	4/4/2002	Bitensky, M. et al.		
	WO 02/29106 A2	4/11/2002	California Institute Of Technology U.S.		
	WO 02/44319 A2	6/6/2002	Picoliter Inc. U.S.		
	WO 03/008102 A1	1/30/2003	The Regents of the University Of Michigan U.S.		
	WO 03/012403 A1	2/13/2003	Bio-Cytex		
	WO 03/016875 A2	2/27/2003	Union Biometrica, Inc. U.S.		
	WO 03/056330 A2	7/10/2003	Institut Fur Physikalische Hochtechnologie E.V.		
	WO 03/056335 A2	7/10/2003	Institut Fur Physikalische Hochtechnologie E.V.		
	WO 03/078065 A1	9/25/2003	Micronics, INC. U.S.		
	WO 03/078972 A1	9/25/2003	Micronics, INC. U.S.		
	WO 89/04471 A1	5/18/1989	Government Of The United Kingdom		
	WO 84/01265 A1	4/12/1984	Genetic Engineering, Inc. U.S.		
	WO 85/04014 A1	9/12/1985	Research Corporation, U.S.		

	WO 89/04470 A1	5/18/1989	Government Of The United Kingdom		
	WO 89/04472 A1	5/18/1988	Government Of The United Kingdom		
	WO 92/08120 A1	5/14/1992	Macquarie University		
	WO 92/17288 A1	10/15/1992	The University of Rochester, U.S.		
	WO 94/22001 A1	9/29/1994	Steen, H.		
	WO 96/04542 A1	2/15/1996	Abbott Laboratories, U.S.		
	WO 96/12173 A1	4/25/1996	University Of Washington U.S.		
	WO 96/33806 A1	10/31/1996	Systemix, U.S.		
	WO 97/29354 A1	8/14/1997	Bayer Aktiengesellschaft		
	WO 97/30338 A1	8/21/1997	Inphocyte, Inc., U.S.		
	WO 97/35189 A1	9/25/1997	University Of Washington U.S.		
	WO 97/43620 A1	11/20/1997	International Remote Imaging Systems Inc.		
	WO 98/57152 A1	12/17/1998	Guava Technologies, Inc. U.S.		
	WO 99/47906 A1	9/23/1999	Partec Partikelzahlgerate		
	WO 99/60397 A1	11/25/1999	University Of Washington U.S.		
	WO 99/61888 A2	12/2/1999	California Institute Of Technology U.S.		

IV. NON-PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL	Document



Express Mail No.: EV 860865805 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICATION NO:	10/812,351
	FILING DATE:	5/29/2004
	FIRST NAMED INVENTOR:	Gary Durack,
	ART UNIT:	1797
	EXAMINER NAME:	Maureen Wallenhorst
	DOCKET NO:	Inguran-Pulse-US

I. US PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if known)	PUB'N DATE	PATENTEE OR APPLICANT NAME	Pages, Columns, Lines Where Relevant Passages Or Relevant Drawings Appear
	3,005,756	10/24/1961	VanDemark, et al.	
	3,499,435	3/10/1970	Rockwell et al.	
	3,547,526	12/15/1970	Devereux	
	3,644,128	2/22/1972	Lipner	
	3,661,460	5/9/1972	Elking et al.	
	3,687,806	8/29/1972	Van den Bovenkamp	
	3,710,933	1/16/1973	Fulwyler et al.	
	3,738,759	6/12/1973	Dittrich et al.	
	3,756,459	9/4/1973	Bannister	
	3,761,187	9/25/1973	Dittrich et al.	
	3,761,941	9/25/1973	Robertson	
	3,788,744	1/29/1974	Friedman et al.	
	3,791,384	1/12/1974	Richter et al.	
	3,791,517	2/12/1974	Friedman	
	3,810,010	5/7/1974	Thom	
	3,816,249	6/11/1974	Bhattacharya	
	3,826,364	7/30/1974	Bonner et al.	
	3,829,216	08/13/1974	Persidsky	
	3,833,796	11/3/1974	Fetner et al.	
	3,877,430	4/15/1975	Wieder	
	3,893,766	7/8/1975	Hogg	
	3,894,529	7/15/1975	Shrimpton	
	3,906,929	9/23/1975	Augsburger	
	3,909,744	9/30/1975	Wisner et al.	
	3,944,917	3/16/1976	Hogg et al.	
	3,947,093	3/30/1976	Goshima et al.	
	3,960,449	7/1/1976	Carleton et al.	
	3,963,606	6/15/1976	Hogg	
	3,973,003	8/3/1976	Colas	
	3,973,196	8/3/1976	Hogg	
	4,006,360	2/1/1977	Mueller	
	4,007,087	2/8/1977	Ericsson	
	4,009,260	2/22/1977	Ericsson	
	4,014,611	3/29/1977	Simpson et al	
	4,056,324	11/1/1977	Gohde	
	4,058,732	11/15/1977	Wieder	

	4,067,965	1/10/1978	Bhattacharya	
	4,070,617	1/24/1978	Kachel et al.	
	4,083,957	4/11/1978	Lang	
	4,085,205	4/18/1978	Hancock	
	4,092,229	5/30/1978	Bhattacharya	
	4,110,604	8/29/1978	Haynes et al.	
	4,148,718	4/10/1979	Fulwyler	
	4,155,831	5/22/1979	Bhattacharya	
	4,162,282	7/24/1979	Fulwyler et al.	
	4,175,662	11/27/1979	Zold	
	4,178,936	12/18/1979	Newcomb	
	4,179,218	12/18/1979	Erdmann et al.	
	4,189,236	2/19/1980	Hogg et al.	
	4,191,749	3/4/1980	Bryant	
	4,200,802	4/29/1980	Salzman et al.	
	4,225,229	9/30/1980	Gohde	
	4,225,405	9/30/1980	Lawson	
	4,230,558	10/28/1980	Fulwyler	
	4,255,021	3/10/1981	Brunsden	
	4,263,508	4/21/1981	Leary et al.	
	4,267,268	5/12/1981	Nelson, Jr.	
	4,274,408	6/23/1981	Nimrod	
	4,274,740	6/23/1981	Eidenschink et al.	
	4,276,139	6/30/1981	Lawson	
	4,302,166	11/24/1981	Fulwyler et al.	
	4,317,520	3/2/1982	Lombardo et al.	
	4,318,480	3/9/1982	Lombardo et al.	
	4,318,481	3/9/1982	Lombardo et al.	
	4,318,482	3/9/1982	Barry et al.	
	4,325,483	4/20/1982	Lombardo et al.	
	4,327,177	4/27/1982	Shrimpton	
	4,339,434	7/13/1982	Ericsson	
	4,341,471	7/27/1982	Hogg et al.	
	4,348,107	9/7/1982	Leif	
	4,350,410	9/21/1982	Minott	
	4,352,558	10/5/1982	Eisert, W.	
	4,361,400	11/30/1982	Gray et al.	
	4,362,246	12/7/1982	Adair	
	4,367,043	1/4/1983	Sweet et al.	
	4,395,397	7/26/1983	Shapiro	
	4,395,676	7/26/1983	Hollinger et al.	
	4,400,764	8/23/1983	Kenyon	
	4,408,877	10/11/1983	Lindmo et al.	
	4,422,761	12/27/1983	Frommer	
	4,448,767	5/15/1984	Bryant	
	4,474,875	10/2/1984	Shrimpton	
	4,487,320	12/11/1984	Auer	
	4,492,436	1/8/1985	Bergmann	
	4,498,766	2/12/1985	Unterleitner	
	4,501,366	2/26/1985	Thompson	
	4,511,661	4/16/1985	Goldberg	
	4,515,274	5/7/1985	Hollinger et al.	

	4,523,809	6/18/1985	Toboada et al.	
	4,538,733	11/3/1985	Hoffman	
	4,545,677	10/8/1985	Chupp	
	4,559,309	12/17/1985	Evenson	
	4,573,796	3/4/1986	Martin	
	4,585,736	4/29/1986	Dolbeare et al.	
	4,598,408	7/1/1986	O'Keefe	
	4,600,302	7/15/1986	Sage, Jr.	
	4,605,558	8/12/1986	Shrimpton	
	4,609,286	9/2/1986	Sage, Jr.	
	4,629,687	12/16/1986	Schindler et al.	
	4,631,483	12/23/1986	Proni et al.	
	4,637,691	1/20/1987	Uehara et al.	
	4,654,025	3/31/1987	Cassou et al.	
	4,659,185	4/21/1987	Aughton	
	4,660,971	4/28/1987	Sage et al.	
	4,661,913	4/28/1987	Wu et al.	
	4,662,742	5/5/1987	Chupp	
	4,673,288	6/16/1987	Thomas et al.	
	4,673,289	6/16/1987	Gaucher	
	4,680,258	7/14/1987	Hammerling et al.	
	4,683,195	7/28/1987	Mullis et al.	
	4,683,202	7/28/1987	Mullis	
	4,691,829	9/8/1987	Auer	
	4,698,142	10/6/1987	Muroi et al.	
	4,702,598	10/27/1987	Böhmer	
	4,704,891	11/10/1987	Recktenwald et al.	
	4,710,635	12/1/1987	Chupp	
	4,714,680	12/22/1987	Civin	
	4,737,025	4/12/1988	Steen	
	4,744,090	5/10/1988	Freiberg	
	4,749,458	6/7/1988	Muroi et al.	
	4,752,131	6/21/1988	Eisenlauer et al.	
	4,756,427	7/12/1988	Gohde. et al.	
	4,758,729	7/19/1988	Monnin	
	4,764,013	08/00/1988	Johnston	
	4,765,737	8/23/1988	Harris et al.	
	4,770,992	9/13/1988	den Engh et al.	
	4,778,593	10/18/1988	Yamashita et al.	
	4,780,406	10/25/1988	Dolbeare et al.	
	4,780,451	10/15/1988	Donaldson	
	4,786,165	11/22/1988	Yamamoto et al.	
	4,790,653	12/13/1988	North, Jr.	
	4,794,086	1/27/1988	Kasper et al.	
	4,796,788	1/10/1989	Bond	
	4,818,103	4/4/1989	Thomas et al.	
	4,831,385	5/16/1989	Archer et al.	
	4,836,038	6/6/1989	Baldwyn	
	4,845,025	7/4/1989	Lary et al.	
	4,846,785	7/11/1989	Cassou	
	4,867,908	9/19/1989	Recktenwald et al.	
	4,871,249	10/3/1989	Watson	

	4,876,458	10/24/1989	Takeda et al.	
	4,877,965	10/31/1989	Dandliker, et al.	
	4,887,721	12/19/1989	Martin et al.	
	4,915,501	4/10/1990	Steen	
	4,936,465	6/26/1990	Zold	
	4,942,305	7/17/1990	Sommer	
	4,954,715	9/4/1990	Zold	
	4,957,363	9/18/1990	Takeda et al.	
	4,959,354	9/25/1990	Barbetti	
	4,965,204	10/23/1990	Civin	
	4,979,093	12/18/1990	Laine, et al.	
	4,980,277	12/25/1990	Junilla	
	4,981,580	1/1/1991	Auer	
	4,983,038	1/8/1991	Ohki et al.	
	4,987,539	1/22/1991	Moore et al.	
	4,988,619	1/29/1991	Pinkel	
	4,989,977	2/5/1991	North, Jr.	
	4,999,283	3/12/1991	Zavos et al.	
	5,005,981	4/9/1991	Schulte et al.	
	5,007,732	4/16/1991	Ohki et al.	
	5,017,497	5/21/1991	De Grooth	
	5,021,244	6/4/1991	Spaulding	
	5,030,002	7/9/1991	North, Jr.	
	5,034,613	7/23/1991	Denk et al.	
	5,040,890	8/20/1991	North, Jr.	
	5,043,591	8/27/1991	Ludlow et al.	
	5,055,393	10/8/1991	Kwoh et al.	
	5,057,413	10/15/1991	Terstappen et al.	
	5,072,382	12/10/1991	Kamentsky	
	5,076,472	12/31/1991	Gross et al.	
	5,079,959	1/14/1992	Miyake et al.	
	5,084,004	01/00/1992	Ranoux	
	5,087,295	2/11/1992	Gross et al.	
	5,088,816	2/18/1992	Tomioka et al.	
	5,089,714	2/18/1992	Ludlow et al.	
	5,098,657	3/24/1992	Blackford et al.	
	5,101,978	4/7/1992	Marcus	
	5,116,125	5/26/1992	Rigler	
	5,127,729	7/7/1992	Oetliker et al.	
	5,132,548	7/21/1992	Borden et al.	
	5,135,759	8/4/1992	Johnson	
	5,138,181	8/11/1992	Lefevre et al.	
	5,142,140	8/25/1992	Yamazaki et al.	
	5,142,462	8/25/1992	Kashima	
	5,144,224	9/1/1992	Larsen	
	5,150,313	9/22/1992	Van den Engh et al.	
	5,158,889	10/27/1992	Hirako et al.	
	5,159,397	10/27/1992	Kosaka et al.	
	5,159,403	10/27/1992	Kosaka	
	5,162,306	11/10/1992	Donaldson	
	5,167,926	12/1/1992	Kimura et al.	
	5,180,065	1/19/1993	Touge et al.	

	5,182,617	1/26/1993	Yoneyama et al.	
	5,195,979	12/24/1991	Schinkel et al.	
	5,199,576	4/6/1993	Corio et al.	
	5,204,884	4/20/1993	Leary et al.	
	5,215,376	6/1/1993	Schulte et al.	
	5,219,729	06/00/1993	Hodgen	
	5,247,339	9/21/1993	Ogino	
	5,259,593	11/9/1993	Orme et al.	
	5,260,764	11/9/1993	Fukuda et al.	
	5,274,240	12/28/1993	Mathies et al.	
	5,275,787	1/4/1994	Yuguchi et al.	
	5,298,967	3/29/1994	Wells	
	5,315,122	5/24/1994	Pinsky et al.	
	5,316,540	5/31/1994	McMannis et al.	
	5,317,162	5/31/1994	Pinsky et al.	
	5,346,990	9/13/1994	Spaulding	
	5,359,907	11/1/1994	Baker et al.	
	5,366,888	11/22/1994	Fry et al.	
	5,367,474	11/22/1994	Auer, et al.	
	5,370,842	12/6/1994	Miyazaki et al.	
	5,371,585	12/6/1994	Morgan et al.	
	5,395,588	3/7/1995	North, Jr. et al.	
	5,400,179	3/21/1995	Ito	
	5,412,466	5/2/1995	Ogino	
	5,437,987	8/1/1995	Ten et al.	
	5,439,362	8/8/1995	Spaulding	
	5,444,527	8/22/1995	Kosaka	
	5,447,841	9/5/1995	Grey et al.	
	5,447,842	9/5/1995	Simons	
	5,452,054	9/19/1995	Dewa et al.	
	5,457,526	10/10/1995	Kosaka	
	5,461,145	10/24/1995	Kudo et al.	
	5,464,581	11/7/1995	Van den Engh	
	5,466,572	11/14/1995	Sasaki et al.	
	5,467,189	11/14/1995	Kreikebaum et al.	
	5,469,375	11/21/1995	Kosaka	
	5,471,294	11/28/1995	Ogino	
	5,471,299	11/28/1995	Kaye et al.	
	5,475,487	12/12/1995	Mariella, Jr. et al.	
	5,480,774	1/2/1996	Hew et al.	
	5,480,775	1/2/1996	Ito et al.	
	5,483,469	1/9/1996	Van den Engh et al.	
	5,488,469	1/30/1996	Yamamoto et al.	
	5,492,534	2/20/1996	Atheyde	
	5,494,795	2/27/1996	Guerry et al.	
	5,495,719	3/5/1996	Gray, Jr.	
	5,496,272	3/5/1996	Chung et al.	
	5,503,994	4/2/1996	Shear et al.	
	5,514,537	5/7/1996	Chandler	
	5,523,573	6/4/1996	Hanninen, et al.	
	5,532,155	07/00/1996	Ranoux	
	5,547,849	8/20/1996	Baer et al.	

	5,548,395	8/20/1996	Kosaka	
	5,548,661	8/20/1996	Price et al.	
	5,550,058	8/27/1996	Corio et al.	
	5,556,764	9/17/1996	Sizto et al.	
	5,558,998	9/24/1996	Hammond et al.	
	5,559,032	9/24/1996	Pomeroy et al.	
	5,578,449	11/26/1996	Fr asch et a.	
	5,579,159	11/26/1996	Ito	
	5,584,982	12/17/1996	Dovich et al.	
	5,589,457	12/31/1996	Wiltbank	
	5,596,401	1/21/1997	Kusuzawa	
	5,601,234	2/11/1997	Larue	
	5,601,235	2/11/1997	Booker et al.	
	5,601,533	2/11/1997	Hancke et al.	
	5,602,039	2/11/1997	Van den Engh	
	5,602,349	2/11/1997	Van den Engh	
	5,608,519	3/4/1997	Grouley et al.	
	5,620,842	4/15/1997	Davis et al.	
	5,622,820	4/11/1997	Rossi	
	5,627,037	5/6/1997	Ward et al.	
	5,633,503	5/27/1997	Kosaka	
	5,641,457	6/24/1997	Vardanega	
	5,643,796	7/1/1997	Van Den Engh et al.	
	5,643,796	7/1/1997	den Engh et al.	
	5,650,847	7/22/1997	Maltsev et al.	
	5,658,751	8/19/1997	Yue et al.	
	5,660,997	8/26/1997	Spaulding	
	5,663,048	9/2/1997	Winkfein et.al.	
	5,665,315	9/9/1997	Robert et al.	
	5,672,880	9/30/1997	Kain	
	5,674,743	10/7/1997	Ulmer	
	5,675,401	10/7/1997	Wangler et al.	
	5,682,038	10/28/1997	Hoffman	
	5,684,575	11/4/1997	Steen	
	5,687,727	11/18/1997	Kraus et al.	
	5,690,815	11/25/1997	Krasnoff et al.	
	5,690,895	11/25/1997	Matsumoto et al.	
	5,691,133	11/25/1997	Critser et al.	
	5,693,534	12/00/1997	Alak et al.	
	5,696,157	12/9/1997	Wang et al.	
	5,700,692	12/23/1997	Sweet	
	5,701,012	12/23/1997	Ho	
	5,707,808	1/13/1998	Roslaniec et al.	
	5,708,868	1/13/1998	Ishikawa, Masarori	
	5,712,807	12/27/1998	Bangham	
	5,719,666	2/17/1998	Fukuda et al.	
	5,719,667	2/17/1998	Miers	
	5,726,009	3/10/1998	Connors et al.	
	5,726,364	3/10/1998	Van den Engh	
	5,726,751	3/10/1998	Altendorf et al.	
	5,730,941	3/24/1998	Lefevre et al.	
	5,736,330	4/7/1998	Fulton	

	5,736,330	4/7/1998	Fulton	
	5,739,902	4/14/1998	Gjelsnes et al.	
	5,745,308	4/28/1998	Spangenberg	
	5,747,349	5/10/1998	den Engh et al.	
	5,777,732	4/7/1998	Hanninen et al.	
	5,780,230	7/14/1998	Li et al.	
	5,786,560	7/28/1998	Tatah et al.	
	5,790,692	8/4/1998	Price et al.	
	5,793,485	8/11/1998	Gourley	
	5,795,767	6/2/1998	Lakowicz et al.	
	5,796,112	8/18/1998	Ichie	
	5,798,276	8/25/1998	Haugland et al.	
	5,799,830	9/1/1988	Carroll et al.	
	5,804,436	9/8/1998	Okun et al.	
	5,815,262	8/29/1998	Schrof et al.	
	5,819,948	10/13/1998	Van den Engh	
	5,824,269	10/20/1998	Kosaka et al.	
	5,831,723	11/3/1998	Kubota et al.	
	5,835,262	11/10/1998	Iketaki et al.	
	5,840,504	11/24/1998	Blecher	
	5,844,685	12/1/1998	Gontin	
	5,846,737	12/8/1998	Kang	
	5,866,344	2/2/1999	Georgiou	
	5,868,767	2/9/1999	Farley et al.	
	5,872,627	2/16/1999	Miers	
	5,873,254	02/00/1999	Arav	
	5,874,266	2/23/1999	Paisson	
	5,876,942	3/2/1999	Cheng et al.	
	5,880,457	3/9/1999	Tomiyama et al.	
	5,880,474	3/9/1999	Norton et al.	
	5,883,378	3/16/1999	Irish et al.	
	5,888,730	3/30/1999	Gray et.al.	
	5,891,734	04/00/1999	Gill et al.	
	5,893,843	4/13/1999	Rodrigues Claro	
	5,895,764	4/20/1999	Sklar et al.	
	5,895,922	4/20/1999	Ho	
	5,899,848	5/4/1999	Haubrich	
	5,909,278	6/1/1999	Deka et al.	
	5,912,257	6/15/1999	Prasad et al.	
	5,916,144	6/29/1999	Prather et al.	
	5,916,449	6/29/1999	Ellwart et al.	
	5,917,733	6/29/1999	Bangham	
	5,919,360	7/6/1999	Contaxis, III et al.	
	5,919,621	7/6/1999	Brown	
	5,934,885	8/10/1999	Farrell et al.	
	5,962,238	10/5/1999	Sizto et al.	
	5,972,710	10/26/1999	Weigl et al.	
	5,973,842	10/26/1999	Spangenberg	
	5,985,216	11/16/1999	Rens et al.	
	5,985,538	11/00/1999	Stachecju	
	5,990,479	11/23/1999	Weiss et al.	
	5,991,028	11/23/1999	Cabib et al.	

	5,998,140	12/7/1999	Dervan et al.	
	5,998,212	12/7/1999	Corio et al.	
	6,002,471	12/14/1999	Quake	
	6,003,678	12/21/1999	Van den Engh	
	6,042,249	3/28/2000	Spangenberg	
	6,050,935	04/00/2000	Ranoux et al.	
	6,071,689	6/6/2000	Seidel et al.	
	6,071,689	6/6/2000	Seidel et al.	
	6,079,836	6/27/2000	Burr et al.	
	6,086,574	7/11/2000	Carroll et al.	
	6,087,352	7/11/2000	Trout	
	6,090,947	7/18/2000	Dervan et al.	
	6,097,485	8/1/2000	Lievan	
	6,111,398	8/29/2000	Graham	
	6,117,068	9/12/2000	Gourley et al.	
	6,119,465	9/19/2000	Mullens et al.	
	6,120,735	9/19/2000	Zborowski et al.	
	6,128,133	10/3/2000	Bergmann	
	6,130,034	10/10/2000	Aitken	
	6,132,961	10/17/2000	Gray et al.	
	6,133,044	10/17/2000	Van den Engh	
	6,133,995	10/17/2000	Kubota	
	6,139,800	10/31/2000	Chandler	
	6,140,121	10/00/2000	Ellington et al.	
	6,143,535	11/7/2000	Paisson	
	6,143,901	11/7/2000	Dervan	
	6,146,837	11/14/2000	van de Winkel	
	6,149,867	11/21/2000	Seidel et al.	
	6,153,373	11/28/2000	Benjamin et al.	
	6,154,276	11/28/2000	Mariella Jr.	
	6,175,409	1/16/2001	Nielsen et al.	
	6,177,277	1/23/2001	Soini	
	6,238,920	5/29/2001	Nagai et al.	
	6,248,590	6/19/2001	Malachowski	
	6,263,745	7/24/2001	Buchanan et al.	
	6,283,920	09/00/2001	Eberle et al.	
	6,309,815	10/30/2001	Tash et al.	
	6,316,234	11/13/2001	Bova	
	6,328,071	12-11-2001	Austin	
	6,357,307	03/1920/02	Buchanan et al.	
	6,368,786	4/8/2002	Saint-Ramon et al.	
	6,372,422	4/16/2002	Seidel, et al.	
	6,395,305	5/28/2002	Buhr et al.	
	6,411,835	6/25/2002	Modell et al.	
	6,463,314	10/8/2002	Haruna	
	6,489,092	12/3/2002	Benjamin et al.	
	6,495,366	12/17/2002	Briggs	
	6,524,860	2/25/2003	Seidel et al.	
	6,528,802	3/4/2003	Karsten et al.	
	6,534,308	3/18/2003	Palsson et al.	
	6,537,829	3/25/2003	Zarling et al.	
	6,577,387	6/10/2003	Ross, III et al.	

6,590,911	7/8/2003	Spinelli et al.	
6,604,435	8/12/2003	Buchanan et al.	
6,617,107	9/9/2003	Dean	
6,618,679	9/9/2003	Loehrlein et al.	
6,642,018	11/4/2003	Koller et al.	
6,667,830	12/23/2003	Iketaki et al.	
6,671,044	12/30/2003	Ortyn et al.	
6,673,095	1/6/2004	Nordquist	
6,698,627	3/2/2004	Garcia et al.	
6,704,313	4/6/1999	De Resende, A. et al	
6,729,369	4/4/2004	Neas et al.	
6,752,298	6/22/2004	Garcia et al.	
6,761,286	7/13/2004	Py et al.	
6,761,288	7/13/2004	Garcia	
6,767,706	7/27/2004	Quake	
6,782,768	8/31/2004	Buchanan et al.	
6,789,706	9/14/2004	Abergel et al.	
6,789,759	9/14/2004	Heldt	
6,793,387	9/21/2004	Neas et al.	
6,819,411	11/16/2004	Sharpe et al.	
7,015,310	3/1/2006	Remington et al.	
7,094,527	8/22/2006	Seidel et al.	
7,105,355	9/12/2006	Kurabayashi et al.	
6,193,647 B1	2/27/2001	Beebe et al.	
6,201,628 B1	3/13/2001	Basiji et al.	
6,207,392 B1	3/27/2001	Weiss et al.	
6,208,411 B1	3/27/2001	Vaez-Iravani	
6,211,477 B1	4/3/2001	Cardott et al.	
6,214,560 B1	4/10/2001	Yguerabide et al.	
6,221,654 B1	4/24/2001	Quake et al.	
6,221,671 B1	4/24/2001	Groner et al.	
6,247,323 B1	6/19/2001	Maeda	
6,256,096 B1	7/3/2001	Johnson	
6,256,096 B1	7/3/2001	Johnson et al.	
6,296,810 B1	10/2/2001	Ulmer	
6,317,511 B1	11/3/2001	Horiuchi	
6,322,901 B1	11/27/2001	Bawendi et al.	
6,323,632 B1	11/27/2001	Husher et al.	
6,326,144 B1	12/4/2001	Bawendi et al.	
6,329,158 B1	12/11/2001	Hoffman et al.	
6,332,540 B1	12/25/2001	Paul et al.	
6,372,506 B1	4/16/2002	Norton	
6,384,951 B1	5/7/2002	Basiji et al.	
6,400,453 B1	6/4/2002	Hansen	
6,411,904 B1	5/25/2002	Chandler	
6,416,190 B1	7/9/2002	Grier et al.	
6,423,505 B1	7/23/2002	Davis	
6,423,551 B1	7/23/2002	Weiss et al.	
6,432,630 B1	8/13/2002	Blankenstein	
6,432,638 B2	8/13/2002	Dervan et al.	
6,452,372 B1	9/17/2002	Husher et al.	
6,454,945 B1	9/24/2002	Weigl et al.	

	6,456,055 B2	9/24/2002	Shinabe et al.	
	6,465,169 B2	10/15/2002	Walderich et al.	
	6,473,176 B2	10/29/2002	Basiji et al.	
	6,482,652 B2	11/19/2002	Furlong et al.	
	6,495,333 B1	12/17/2002	Willmann et al.	
	6,503,698 B1	1/7/2003	Dobrinsky et al.	
	6,511,853 B1	1/28/2003	Kopf-Sill et al.	
	6,514,722 B2	2/4/2003	Paisson et al.	
	6,540,895 B1	4/1/2003	Spence et al.	
	6,563,583 B2	5/13/2003	Ortyn et al.	
	6,576,291 B2	6/10/2003	Bawendi et al.	
	6,580,504 B1	6/17/2003	Ortyn et al.	
	6,587,203 B2	7/1/2003	Colon	
	6,589,792 B1	7/8/2003	Malachowski	
	6,596,143 B1	7/22/2003	Wang et al.	
	6,596,499 B2	7/22/2003	Jalink	
	6,613,525 B2	9/2/2003	Nelson et al.	
	6,618,143 B2	9/9/2003	Roche et al.	
	6,641,708 B1	11/4/2003	Becker et al.	
	6,658,357 B2	12/2/2003	Chandler	
	6,664,550 B2	12/16/2003	Rader et al.	
	6,674,525 B2	1/6/2004	Bardell et al.	
	6,700,130 B2	3/2/2004	Fritz	
	6,703,621 B2	3/9/2004	Wolleschensky	
	6,706,163 B2	3/16/2004	Seul et al.	
	6,707,555 B1	3/16/2004	Kusuzawa et al.	
	6,713,019 B2	3/30/2004	Ozasa et al.	
	6,746,873 B1	6/8/2004	Buchanan et al.	
	6,753,161 B2	6/22/2004	Koller et al.	
	6,780,377 B2	8/24/2004	Hall et al.	
	6,813,017 B1	11/2/2004	Hoffman et al.	
	6,849,394 B2	2/1/2005	Rozenboom et al.	
	6,849,423 B2	2/1/2005	Mutz et al.	
	6,861,265 B1	3/1/2005	Van den Engh	
	6,941,005 B2	9/6/2005	Lary et al.	
	7195920 B2	3/27/2007	Seidel et al	
	7208265 B1	4/24/2007	Schenk	
	7221453 B2	5/22/2007	Sharpe et al.	

II. US PATENT PUBLICATION DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if	PUB'N DATE	PATENTEE OR APPLICANT NAME	Pages, Columns, Lines Where Relevant Passages Or Relevant
	20040107150	06/03/2000	Neas et al.	

III. FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Foreign Patent Document Country Code, Number, Kind Code (if known)	PUB'N DATE mm-dd-yyyy	PATENTEE OR APPLICANT NAME	TRANSLATION	
				Yes	No

IV. NON-PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL	Document
	Abdel-Ghaffar, A. E., et al., "Rabbit Semen Metabolism" in Rabbit Production in Hot Climates" Baselga and Marai (eds); International Conference of Rabbit Production in Hot Climates 1994, p305-312
	Akhtar, S., et al., "Prevalence of Five Stereotypes of Bluetongue Virus in a Rambouillet Sheep Flock in Pakistan", Veterinary Record 136, p. 495. (1995)
	Aldrich, S. L., et al., "Parturition and Periparturient Reproductive and Metabolic Hormone Concentration in Prenatally Androgenized Beef Heifers", J. Anim. Sci. 73:3712. (1995)
	Amann, R. P. et al., "Issues Affecting Commercialization of Sexed Sperm" Therio. 52:1441. (1999)
	Amann, R. P., et al. "Prospects For Sexing Mammalian Sperm," Animal Reproduction Laboratory College of Veterinary Medicine and Biomedical Sciences, Colorado State University. (1982)
	Amann, R.P. "Fertilizing Potential Vitro of Semen from Young Beef Bulls Containing a High or Low Percentage of Sperm with a Proximal Droplet" Theriogenology 54: 1499-1515, 2000
	Amann, Rupert P. "Cryopreservation of Sperm" 1999, Encyclopedia of Reproduction 1:733-783
	American Meat and Science Association in Cooperation with National Livestock and Meat Board, "Research Guidelines for Cookery and Sensory Evaluation and Instrumental Tenderness Measurements for Fresh Meat". (1995)
	Amoah, E. A. and Gelaye, S., "Biotechnological Advances in Goat Reproduction", J. Anim. Sci. 75(2): 578-585. (1996)
	Anderson, V. K., et al., Intrauterine und tiefzervikale Insemination mit Gefriersperma beim Schaf (Intrauterine and Deep Cervical Insemination With Frozen Semen in Sheep). Zuchthygiene 8:113-118. (1973)
	Arriola, J. and Foote, R.H.: "Glycerolation and Thawing Effects on Bull Spermatozoa frozen in Detergent-Treated Egg Yolk and Whole Egg Extenders," J Dairy Sci, 70:1664-1670 (1987)
	Asbury, Charles A. "Fluorescence Spectra of DNA Dyes Measured in a Flow Cytometer," University of Washington 02/19/1996
	Bagley, C. P. "Nutritional Management of Replacement Beef Heifers: a Review" J. Anim. Science 71:3155-3163. (1993)
	Bailey, C. M. et al., "Nulliparous Versus Primiparous Crossbred Females for Beef", J. Anim. Sci. 69:1403. (1991)
	Baker, R.D., et al., "Effect of Volume of Semen, Number of Sperm and Drugs on Transport of Sperm in Artificially Inseminated Gilts", J. Anim. Sci. 27:88-93. (1968)
	Bakker Schut, Tom C. "A New Principle of Cell Sorting by Using Selective Electroporation in a Modified Flow Cytometry," University of Twente, 03/10/1990.
	Barnes, F. L. and Eyestone, W. H., "Early Cleavage and the Maternal Zygotic Transition in Bovine Embryos", Therio. Vol. 33, No. 1, pp. 141-149. (1990)
	Batellier, F. et al., "Advances in Cooled Semen Technology" Animal Reproduction Science 68 p. 181-190 (2001)
	Becker, S.E. and Johnson, A. L. "Effects of Gonadotropin-Releasing Hormone Infused in a Pulsatile or Continuous Fashion on Serum Gonadotropin Concentrations and Ovulation in the Mare", J. Anim. Sci. 70:1208-1215. (1992)
	Bedford, S. J. and Hinrichs, K., "The Effect of Insemination Volume on Pregnancy Rates of Pony Mares", Therio. 42:571-578. (1994)
	Behrman, S. J., et al., "Freeze Preservation of Human Sperm" American Journal of Obstetrics and Gynecology Vol. 103 (5) p. 654-664 March 1, 1969
	Bellows, R. A., et al., "Cause and Effect Relationships Associated With Calving Difficulty and Calf Birth Weight", J. Anim. Sci. 33:407. (1971)

	Berardinelli, J. G., et al., "Source of Progesterone Prior to Puberty in Beef Heifers". J. Anim. Sci. 49:1276. (1979)
	Berger, G. S. "Intratubal Insemination", Fertil. Steril. 48:328-330, (1987)
	Bergfeld, E. G., et al., "Ovarian Follicular Development in Prepubertal Heifers is Influenced by Level of Dietary Energy Intake", Bio. of Repro. 51:1051. (1994)
	Berry, B. W., et al., "Beef Carcass Maturity Indicators and Palatability Attributes", J. Anim. Sci. 38:507 (1974)
	Beyhan, Z., et al., "Sexual Dimorphism in IVF Bovine Embryos Produced by Sperm Sorted by High Speed Flow Cytometry", abstr. Therio. 49(1): 359 (1998)
	Beyhan, Z., Et Al., 1999 Sexual Dimorphism In IVM-IVF Bovine Embryos Produced from X and Y Chromosome-Bearing Spermatozoa Sorted By High Speed Flow Cytometry. Theriogenology. 52: 35-48
	Bigos, Martin "Nine Color Eleven Parameter Immunophenotyping Using Three Laser Flow Cytometry," Stanford University 12/22/1998.
	Bioxcell, Bovine Sperm Preservation, Advertisement 06/28/2005
	Bond, J., et al., "Growth and Carcass Traits of Open Beef Heifers Versus Beef Heifers That Have Calved", Nutrition Reports International 34:621. 1986
	Boucque, C. V., et al., "Beef-Production With Maiden and Once-Calved Heifers", Livestock Prod. Sci. 7:121. 1980
	Bourdon, R. M. and J. S. Brinks. "Simulated Efficiency of Range Beef -Production III. Culling Strategies and Nontraditional Management-Systems", J. Anim. Sci. 65:963. 1987
	Bracher, V. and Allen, W.R., "Videoendoscopic Examination of the Mare's Uterus: I. Findings in Normal Fertile Mares", Equine Veterinary Journal, Vol. 24, p. 274-278. 1992
	Braserton, W. E. and McShan, W. H., "Purification and Properties of Follicle Stimulating and Luteinizing Hormones From Horse Pituitary Glands" Arch. Biochem. Biophys. 139:45-48. 1970
	Braun, J. et al, "Effect of Different Protein Supplements on Motility and Plasma Membrane Integrity of Frozen- Thawed Stallion Spermatozoa", Cryobiology (1995) 32:487-492
	Brethour, J. R. and Jaeger, J. R., "The Single Calf Heifer System", Kansas Agric. Sta. Rep of Progress 570. 1989.
	Brinsko, S.P. et al., "Artificial Insemination and Preservation of Semen." VETERINARY CLINICS OF NORTH AMERICA:EQUINE PRACTICE VOL. 8 NUM.1 APRIL 1992 PAGES 205-218.
	Bristol, F. "Breeding Behavior of a Stallion at Pasture With 20 Mares in Synchronized Oestrus" J. Reprod. Fertil. Suppl. 32:71. 1982
	Brookes, A. J. and O'Byrne, M., "Use of Cow-Heifers in Beef Production" J. of the Royal Agricultural Society of England 126:30. 1965
	Buchanan, B. R., et al, "Insemination of Mares with Low Numbers of Either Unsexed or Sexed Spermatozoa", Therio. Vol. 53, p. 1333-1344. 2000
	Buchanan, B.R. " Pregnancy Rates in Mares Following a Single Insemination with a Low Number of Spermatozoa into the Tip of the Uterine Horn" Theriogenology Page 395 1999
	Burns, P. D. and Spitzer, J.C., "Influence of Biostimulation on Reproduction in Postpartum Beef-Cows", J. Anim. Sci. 70:358. 1992
	Burwash, L. D., et al., "Relationship of Duration of Estrus to Pregnancy Rate in Normally Cycling, Non Lactating Mares" J.A.V.M.A. 165:714-716. 1974
	Byerley, D. J., et al., "Pregnancy Rates of Beef Heifers Bred Either on Puberal or Third Estrus". J Anim. Sci. 65:645. 1987
	Caslick, E. A., "The Vulva and the Vulvo-Vaginal Orifice and its Relation to Genital Health of the Thoroughbred Mare", Cornell Veterinarian, Vol. 27, p.178-187. 1937
	Catt, et al., "Assessment of Ram and Boar Spermatozoa During Cell-Sorting by Flow Cytometry", Reproduction Dom Animal, Vol. 32, pp 251-258. 1997
	Catt, S. L., et al., "Birth of a Male Lamb Derived from an In Vitro Matured Oocyte Fertilized by Intracytoplasmic Injection of a Single Presumptive Male Sperm", Veterinary Record 139, p. 494-495. 1996

	Cave-Penney, Tony, "Sexed Semen Offers Faster Genetic Gain", Farming News, Livestock Supplement, February 1997, p. 28.
	Celestron: Telescope Basics: www.celestron.com/tb-2ref/htm ; 4 pages, 10/20/2003
	Chandler, J. E., "Videomicroscopic Comparison of Bull Sperm and Leukocyte Chromosome Areas as Related to Gender", J Dairy Sci 73, p. 2129-2135. 1990
	Chandler, J. E., et al, "Bovine Spermatozoal Head Size Variation and Evaluation of a Separation Technique Based on this Size", Therio. 52, p. 1021-1034. 1999
	Chen, S.H. " Effects of Oocyte Activation and Treatment of Spermatozoa on Embryonic Development Following Intracytoplasmic Sperm Injection in Cattle" Theriogenology 48: 1265-1273, 1997
	Chen, Y. et al., Survival of Bull Spermatozoa Seeded and Frozen at Different Rates in Egg Yolk-Tris and Whole Milk Extenders, 1993 J Dairy Sci 76:1028-1034
	Chin, W. W. and Boime, I. 1990. In Glycoprotein Hormones. Serona Symp. Norwell, MA. pp.19-20
	Choi, Y.H. " Developmental Capacity of Equine Oocytes Matured and Cultured in Equine Trophoblast-Conditioned Media" Theriogenology 56: 320-339, 2001
	Chung, Y. G., et al. "Artificial insemination of Superovulated Heifers With 600,000 Sexed Sperm". J Anim. Sci. Suppl. 1. 836:215. 1998 abstr.
	Clement, F., et al., "Which Insemination Fertilizes When Several Successive Inseminations are Performed Before Ovulation" 7th Int. Symp. Eq. Repro. 151. 1998 abstr.
	Cran, D. G., et al, "Production of Lambs by Low Dose Intrauterine Insemination With Flow Cytometrically Sorted and Unsorted Semen", Therio. p. 267. 1997
	Cran, D. G., et al., "Sex Preselected in Cattle: A Field Trial", Veterinary Record 136, 1995, p. 495-496
	Cran, D. G., et al., "Production of Bovine Calves Following Separation of X- and Y-Chromosome Bearing Sperm and In Vitro Fertilization". Vet. Rec. 132:40-41. 1993
	Cran, D. G., et al., "The Predetermination of Embryonic Sex Using Flow Cytometrically Separated X and Y Spermatozoa" Human Reproduction Update 1996, Vol. 2 (4) p. 355-63
	Crowley, J. P. "The facts of Once-Bred Heifer Production" School of Agric., Univ. of Aberdeen, Scotland. 1973
	Cui, K. et al, "X Larger than Y", Nature 366, p. 177-118, 1993
	Cui, K., "Size Differences Between Human X and Y Spermatozoa and Prefertilization Diagnosis", Molecular Human Reproduction, Vol. 3, No. 1, pp. 61-67. 1997
	Curran, S. "Fetal Gender Determination" in Equine Diagnostic Ultrasonography 1st ed. Rantanen, N.W. and McKinnon A.O. (eds.) Williams and Williams, 1998, p. 165-69
	da Silva, Coutinho M.A." Effect of time of oocyte collection and site of insemination on oocyte transfer in mares." Animal Reproduction and Biotechnology Laboratory, Colorado State University, Fort Collins Journal of Animal Science 2002. 80:1275-1279
	DakoCytomation, "MoFlo® Sorters" http://www.dakocytomation.us/prod_productrelatedinformation?url=gprod_moflo_index.htm one page, printed 06/26/2003
	Database up 1 BR9704313 (Alves, De Resende et al) 06/04/1999
	Day, B. N., et al. "Birth of Piglets Preselected for Gender Following In Vitro Fertilization of In Vitro Matured Pig Oocytes by X and Y Bearing Spermatozoa Sorted by High Speed Flow Cytometry. Therio. 49(1): 360. 1998 abstr.
	de LEEUW, F.E. et al:" Effects of various cryoprotective agents and membrane-stabilizing compounds on bull sperm membrane integrity after cooling and freezing" CRYOBIOLOGY US, ACADEMIC PRESS INC 1993 PP. 32-44
	Dean, P.N., et al. "Hydrodynamic Orientation of Spermatozoa Heads for Flow Cytometry". Biophys. J. 23:7-13. 1978
	Demick, D.S., et al. "Effect of Cooling, Storage, Glycerization and Spermatozoal Numbers on Equine Fertility" J. Anim. Sci. 43:633-637. 1976
	DenDaas, J. H. G., et al. "The relationship between the number of spermatozoa inseminated and the reproductive efficiency of dairy bulls" J Dairy Sci. 81: 1714-1723. 1998

	Denham, A. "In-vitro studies on Sandhill Range Forage as Related to Cattle Preference", M.S. Thesis. Colorado State University. 1965
	Denk, Winfried. "Two-Photon Molecular Excitation in Laser-Scanning Microscopy," Handbook of Biological Confocal Microscopy. 1995
	Deutscher, G. H. "Extending Interval From Seventeen to Nineteen Days in the Melengestrol Acetate-Prostaglandin Estrous Synchronization Program for Heifers". The Professional Animal Scientist 16:164. 2000
	Diagnostic Products Corporation, "Coat-A-Count" http://www.Progesterone.com . 1998.
	Dikeman, M. E. "Cattle Production Systems to Meet Future Consumer Demands" J. Anim. Sci. 59:1631, 1984
	Dinnyes, A., et al., "Timing of the First Cleavage Post- Insemination Affects Cryosurvival of In Vitro-produced Bovine Blastocysts", Molec. Reprod. Develop. 53, p 318-324. 1999
	Dippert, K.D. "Fertilization Rates in Superovulated and Spontaneously Ovulating Mares" Theriogenology 41: 1411-1423, 1994
	Donaldson, L. E., "Effect of Insemination Regimen on Embryo Production in Superovulated Cows", The Veterinary Record, July 13, p. 35-37, 1985
	Donoghue, A.M., et al. "Timing of Ovulation after Gonadotropin Induction and its Importance to Successful Intrauterine Insemination in the Tiger (Panthera tigris)" J. Reprod. Fertil. 107:53-58. 1996
	Douglas, R. H., "Review of Induction of Superovulation and Embryo Transfer in the Equine" Therio. 11:33-46. 1979
	Douglas, R. H., et al. "Induction of Ovulation and Multiple Ovulation on Seasonally-Anovulatory Mares with Equine Pituitary Fractions." Therio. 2(6): 133-142. 1974
	Doyle, S. P., et al. "Artificial Insemination of Lactating Angus Cows with Sexed Semen". Proc. Western Sect. Am. Soc. Anim. Sci. 50:203. 1999
	Dresser D.W. et al. Analyses of DNA content of Living Spermatozoa Using Flow Cytometry Technique" Journal of Reproduction and Fertility, 1993, vol. 98, pp 357-365
	Duchamp, G., et al. "Alternative Solutions to hCG Induction of Ovulation in the Mare" J. Reprod. Fertil. Suppl. 35:221-228. 1987
	Evans, M. J. and Irvine, C. H. G. "Induction of Follicular Development, Maturation and Ovulation by Gonadotropin Releasing Hormone Administration to Acyclic Mares" Bio. Reprod. 16:452-462. 1977
	Ferrell, C. L. "Effects of Post-Weaning Rate of Gain on Onset of Puberty and Productive Performance of Heifers of Different Breeds. J. Anim. Sci. 55:1272. 1982
	Ferrell, C. L. and T. G. Jenkins. "Energy-Utilization by Mature, Nonpregnant, Nonlactating Cows of Different Types" J. Anim. Sci. 58:234. 1984
	Field, R. A., et al., "Bone-Ossification and Carcass Characteristics of Wethers Given Silastic Implants Containing Estradiol", J. Anim. Sci. 68:3663-3668. 1990
	Field, R. et al., "Growth, Carcass, and Tenderness Characteristics of Virgin, Spayed, and Single-Calf Heifers", J. Anim. Sci. 74:2178. 1996
	Fitzgerald, B. P., et al. "Effect of Constant Administration of a Gonadotropin-Releasing Hormone Agonist on Reproductive Activity in Mares: Preliminary Evidence on Suppression of Ovulation During the Breeding Season." Am. J. Vet. Res. 54:1746-1751. 1993
	Fluharty, F. L., et al., "Effects of Age at Weaning and Diet on Growth of Calves", Ohio State University Dept. of Animal Sciences. 1966 Ohio Agri. Res. And Den. Circular, 156:29 1966
	Foote, et al. Motility and Fertility of Bull Sperm Frozen-Thawed Differently in Egg Yolk and Milk Extenders Containing Detergent, 1987 J Dairy Sci 70:2642-2647
	Foote, R.H., "Buffers and Extenders: What Do They Do? Why Are They Important?" Proc of the NAAB Tech. Conf. On Artificial Insemination and Reproduction, 62-70 (1984)
	Foulkes, J. A., et al. "Artificial Insemination of Cattle Using Varying Numbers of Spermatozoa." Vet. Rec. 101:205. 1977
	Francon, M. and Yamamoto, T., "Un Noveau et tres simple dispositif interferentiel applicable as microscope" Optica Acta 9, p. 395-408.1962

	Fugger, E. F. "Clinical Experience with Flow Cytometric Separation of Human X- and Y-Chromosome Bearing Sperm", <i>Therio</i> . Vol. 52, pp. 1435-1440.1999
	Fuller, Robert R. "Characterizing Submicron Vesicles With Wavelength-Resolved Fluorescence in Flow Cytometry," University of Illinois, 05/13/1996.
	Fulwyler, M. J. "Electronic Separation of Biological Cells by Volume." <i>Science</i> . 150:910. 1965
	Fulwyler, M. J. "Hydrodynamic Orientation of Cells." <i>J of Histochem. and Cytochem</i> . 25:781-783. 1977
	Garner, D. L., et al. "Quantification of the X and Y Chromosome-Bearing Spermatozoa of Domestic Animals by Flow Cytometry." <i>Biol. Reprod</i> . 28:312-321. 1983
	Ginther, O. J., "Sexual Behavior Following Introduction of a Stallion into a Group of Mares" <i>Therio</i> . Vol. 19 (6) June 1983
	Ginther, O. J., "Some Factors Which Alter Estrus Cycle in Mares." <i>J. Anim. Sci</i> . 33:1158. 1971 abstr.
	Ginther, O. J., <i>Reproductive Biology of the Mare</i> . (2nd Ed.) Equiservices, Cross Plains, WI. 1992
	Gledhill, B. L. "Gender Preselection: Historical, Technical and Ethical Perspective." <i>Semen Reprod. Endocrinol</i> . 6:385-395. 1988
	Gombe, S. and Hansel, W. "Plasma Luteinizing Hormone (LH) and Progesterone Levels in Heifers on Restricted Energy Intakes." <i>J. Anim. Sci</i> . 37:728. 1973
	Gottlinger et al., "Operation of a Flow Cytometer", <i>Flow Cytometry and Cell Sorting</i> , A. Radbruch (Ed.), 1992, pages 7-23.
	Gourley, D. D. and Riese, R. L. "Laparoscopic Artificial Insemination in Sheep." <i>Vet. Clin. N. Amer: Food Anim. Prac</i> . 6(3): 615-633 (1990)
	Graham, J. "Analysis of Stallion semen and its Relation to Fertility. ABSTRACT Complete article from <i>Reproductive Technology</i> Vol. 12 # 1 April 1996 now included in XYIDS000213
	Graham, J.K. and Hammerstedt, R.H.: "Differential Effects of Butylated Hydroxytoluene Analogs on Bull Sperm Subjected to Cold-Induced Membrane Stress," <i>Cryobiology</i> , 29:106-117 (1992)
	Graham, James K., "Effect of Cholesterol-Loaded Cyclodextrins in Semen Extenders", <i>Proceedings of the 19th Technical Conference on Artificial Insemination & Reproduction</i> , 2003, pp. 91-95.
	Gravert, H. O., "Genetic Aspects of Early Calving." In: J.C. Taylor (Ed.) <i>The Early Calving of Heifers and Its Impact on Beef Production</i> . 59 (1975)
	Gregory, K. E., et al., "Characterization of Biological Types of Cattle – Cycle III: II Growth Rate and Puberty in Females" <i>J. Anim. Sci</i> . 49:461 (1979)
	Grimes, I. F. and T. B. Turner. "Early Weaning of Fall Born Calves II. Post Weaning Performance of Early and Normal Weaned Calves". <i>I. Prod. Agric</i> . 4:168 (1991)
	Grondahl, C., et al, "In Vitro Production of Equine Embryos", <i>Biology of Reproduction, Monograph Series I</i> , p. 299-307 (1995)
	Guillou, F. and Combarnous, Y. "Purification of Equine Gonadotropins and Comparative Study of Their Acid-Dissociation and Receptor-Binding Specificity." <i>Biochemica Et Biophysica Acta</i> 755:229-236 (1983)
	Gurnsey, M. P., and Johnson, L.A., "Recent Improvements in Efficiency of Flow Cytometric Sorting of X and Y-Chromosome Bearing Sperm of Domestic Animals: a Review" <i>New Zealand Society of Animal Production</i> , three pages (1998)
	Hall, J. B., et al., "Effect of Age and Pattern of Gain on Induction of Puberty with a Progestin in Beef Heifers." <i>J. Anim. Sci</i> . 75:1606 (1997)
	Hamamatsu, "Technical Information, Optical Detector Selection: A Delicate Balancing Act", web page, http://www.optics.org/hamamatsu/photodiode.html , printed on 4/15/00, 6 pages total.
	Hamano, K., et al., "Gender Preselection in Cattle with Intracytoplasmically Injected, Flow Cytometrically Sorted Sperm Heads", <i>Biology of Reproduction</i> 60, p. 1194-1197 (1999)

	Hammerstedt, et al., "Cryopreservation of Mammalian Sperm: What We Ask Them to Survive," <i>Journal of Andrology</i> , 11:1:73-88 (1990)
	Harrison, L.A., et al., "Comparison of HCG, Buserelin and Luprostiol for Induction of Ovulation in Cycling Mares." <i>Eq. Vet. Sci.</i> 3:163-166 (1991)
	Harte, F. J. "System of Production of Beef From Once Calved Heifers." In: J.C. Taylor (Ed.) <i>The Early Calving of Heifers and its Impact on Beef Production</i> . 123 (1975)
	Hawk, H. W., et al., "Fertilization Rates in Superovulating Cows After Deposition of Semen on the Infundibulum Near the Uterotubal Junction or After Insemination with High Numbers of Sperm", XP-002103478, <i>Therio</i> . Vol. 29, No. 5, p. 1131-1142 (1988)
	Hermesmeyer, G. N., et al. "Effects of Prenatal Androgenization and Implantation on the Performance and Carcass Composition of Lactating Heifers in the Single-Calf Heifer System." <i>The Professional Animal Scientist</i> 15:173. 1999
	Herweijer, Hans. "High-Speed Photodamage Cell Selection Using Bromodeoxyuridine/Hoechst 33342 Photosensitized Cell Killing," 09/23/1987.
	Herzenberg, Leonard A. "Flourescence-activated Cell Sorting," <i>Sci. Am.</i> 1976; 234, pages 108-117.
	Hilton, G. G., et al., "An Evaluation of Current and Alternative Systems for Quality Grading Carcasses of Mature Slaughter Cows." <i>J. Anim. Sci.</i> 76:2094. 1998
	Ho, L., et al., "Influence of Gender, Breed and Age on Maturity Characteristics of Sheep." <i>J. Anim. Sci.</i> 67:2460-2470. 1989
	Hofferer, S., et al. "Induction of Ovulation and Superovulation in Mares Using Equine LH and FSH Separated by Hydrophobic Interaction Chromatography." <i>J. Reprod. Fertil.</i> 98:597-602. 1993
	Hohenboken, W. D. "Applications of sexed semen in cattle production." <i>Therio</i> . 52:1421. 1999
	Holtan, D. W., et al., "Estrus, Ovulation and Conception Following Synchronization With Progesterone, Prostaglandin F2a and Human Chorionic Gonadotropin in Pony Mares." <i>J. Anim. Sci.</i> 44:431-437. 1977
	Horan, Paul K. "Quantitative Single Cell Analysis and Sorting, Rapid Analysis and sorting of cells is emerging as an important new technology in research and medicine." <i>Science</i> , October 1977
	Householder, D. D., et al. "Effect of Extender, Number of Spermatozoa and hCG on Equine Fertility." <i>J. Equine Vet. Sci.</i> 1:9-13. 1981
	Howard, J. G., et al., "Comparative Semen Cryopreservation in Ferrets (<i>Mustela putorius furo</i>) and Pregnancies After Laparoscopic Intrauterine Insemination With Frozen-Thawed Spermatozoa." <i>J. Reprod. Fertil.</i> 92:109-118. 1991
	Howard, J. G., et al., "Sensitivity to Exogenous Gonadotropins for Ovulation and Laparoscopic Artificial Insemination in the Cheetah and Clouded Leopard." <i>Biol. Reprod.</i> 56:1059-1068. 1997
	Hunter, R. H. F. "Transport and Storage of Spermatozoa in the Female Tract." <i>Proc 4th Int. Congress Anim. Repro. and A. I.</i> 9:227-233. 1980
	Hyland, J. H., et al., "Gonadotropin Releasing Hormone (GnRH) Delivered by Continuous Infusion Induces Fertile Estrus in Mares During Seasonal Acyclicity" <i>Proceedings of the Annual Convention of the American Association of Equine Practitioners (34th)</i> 1989, p. 181-190
	IMV Technologies, Protocol of Bioxcell with Fresh Semen, 1 page, 2000
	IMV Technologies, Protocol of Bioxcell with Frozen Semen, 2 pages, 2000
	Irvine, C H. G. and Alexander, S. L. "GnRH" Chapter 4 in <i>Equine Reproduction</i> , McKinnon and Voss eds. Lea and Febiger. Philadelphia, London. p. 37. (1993)
	Iwazumi, Y., et al., "Superovulation Using CIDR in Holstein Cows" <i>J. of Reprod. Dev.</i> Vol. 40 (3) 1994, pp259-66
	Jafar, et al., "Sex Selection in Mammals: A Review", <i>Therio</i> . Vol. 46, p 191-200. (1996)
	Jakubiczka, S. et al. "A Bovine Homologue of the Human TSPY Gene." <i>Genomics</i> . 1993, Vol 17, No. 3, pp 732-735

	Jarriage, R. "Age of Cows at First Calving in France." In: J.C. Taylor (Ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . 10. (1975)
	Jasko, D. J., et al., "Effect of Insemination Volume and Concentration of Spermatozoa on Embryo Recovery in Mares", <i>Therio</i> . 37:1233-1239, (1992)
	Jasko, D. J., et al., "Pregnancy Rates Utilizing Fresh, Cooled and Frozen-Thawed Stallion Semen", American Association of Equine Practitioners 38th Annual Convention Proceedings, 1992, p. 649-60
	Johnson, A. L. "Pulsatile Administration of Gonadotropin Releasing Hormone Advances Ovulation in Cycling Mares", <i>Biol. Reprod.</i> 35:1123 - 1130, (1986)
	Johnson, A. L., et al. "Use of Gonadotropin-Releasing Hormone (GnRH) Treatment to Induce Multiple Ovulations in the Anestrous Mare" <i>Eq. Vet. Sci.</i> 8:130-134, (1988)
	Johnson, L.A., "Flow Cytometric Determination of Spermatozoa Sex Ratio in Semen Purportedly Enriched for X or Y Bearing Spermatozoa", <i>Therio</i> . 1988 29:265 abstr.
	Johnson, L.A., "Gender Preselection in Domestic Animals Using Flow Cytometrically Sorted Sperm" <i>J. Anim. Sci. (Suppl I)</i> 70:8-18. (1992)
	Johnson, L.A., "The Safety of Sperm Selection by Flow Cytometry" <i>Ham. Reprod.</i> 9(5): 758. (1994)
	Johnson, L.A., "Advances in Gender Preselection in Swine" <i>Journal of Reproduction and Fertility Supplement</i> , Vol. 52, p. 255-266 (1997)
	Johnson, L.A., "Gender Preselection in Humans? Flow Cytometric Separation of X and Y Spermatozoa for the Prevention of X-Linked Diseases" <i>Human Reproduction</i> vol.8 no.10, p. 1733-1739 (1993)
	Johnson, L.A., "Gender Preselection in Mammals: An Overview", <i>Deutsch. Tierarztl. Wschr.</i> Vol. 103, p. 288-291 (1996)
	Johnson, L.A., "Isolation of X- and Y-Bearing Spermatozoa for Sex Preselection." <i>Oxford Reviews of Reproductive Biology</i> . Ed. H. H. Charlton. Oxford University Press. 303-326. (1994)
	Johnson, L.A., "Sex Preselection by Flow Cytometric Separation of X and Y Chromosome Bearing Spermatozoa Based on DNA Difference: a Review." <i>Reprod. Fertil. Dev.</i> 7:893-903. (1995)
	Johnson, L.A., "Sex Preselection in Rabbits: Live Births from X and Y Sperm Separated by DNA and Cell Sorting", <i>Biology of Reproduction</i> 41, pp. 199-203 (1989)
	Johnson, L.A., "Sex Preselection in Swine: Altered Sex Ratios in Offspring Following Surgical Insemination of Flow Sorted X- and Y- Bearing Sperm", <i>Reproduction in Domestic Animals</i> , Vol. 26, pp. 309-314 (1991).
	Johnson, L.A., "Sex Preselection in Swine: Flow Cytometric Sorting of X- and Y- Chromosome Bearing Sperm to Produce Offspring", <i>Boar Semen Preservation IV</i> , p. 107-114. (2000)
	Johnson, L.A., "Successful Gender Preselection in Farm Animals", <i>Agricultural Biotechnology</i> , p. 439-452. (1998)
	Johnson, L.A., et al., "Enhanced Flow Cytometric Sorting of Mammalian X and Y Sperm: High Speed sorting and Orienting Nozzle for Artificial Insemination", <i>Therio</i> . 49(1): 361 (1988) abstr.
	Johnson, L.A., et al., "Flow Sorting of X and Y Chromosome-Bearing Spermatozoa into Two Populations", <i>Gamete Res.</i> 16:203-212. (1987)
	Johnson, L.A., et al., "Improved Flow Sorting Resolution of X- and Y-Chromosome Bearing Viable Sperm Separation Using Dual Staining and Dead Cell Gating" <i>Cytometry</i> 17 (suppl 7): 83, (1994)
	Johnson, L.A., et al., "Flow Cytometry of X- and Y-Chromosome Bearing Sperm for DNA Using an Improved Preparation Method and Staining with Hoechst 33342." <i>Gamete Research</i> 17: 203-212. (1987)
	Johnson, L.A., et al., "Modification of a Laser-Based Flow Cytometer for High-Resolution DNA Analysis of Mammalian Spermatozoa" <i>Cytometry</i> 7, pp 268 - 273 (1986)
	Joseph, R. L. "Carcass composition and meat quality in once calved heifers." In: J.C. Taylor (Ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . 143. (1975)

	Joseph, R. L. and J. P. Crowley. "Meat Quality of Once-Calved Heifers." Irish J. of Agric. Research 10:281. (1971)
	Kachel, V., et al., "Uniform Lateral Orientation, Caused by Flow Forces, of Flat Particles in Flow-Through Systems", The Journal of Histochemistry and Cytochemistry, Vol. 25, No. 7, pp 774 -780. (1997)
	Kanayama, K., et al., "Pregnancy by Means of Tubal Insemination and Subsequent Spontaneous Pregnancy in Rabbits." J. Int. Med. Res. 20:401-405. (1992)
	Karabinus, et al., "Effects of Egg Yolk-Citrate and Milk Extenders on Chromatin Structured Viability of Cryopreserved Bull Sperm", Journal of Dairy Science, Vol. 74, No. 11, p. 3836-3848. (1999)
	Keeling, P. "A Modeling Study of Once-Bred Heifer Beef Production." Proceedings of the New Zealand Society of Animal Production. 51. (1991)
	Kilicarslan, M. R., et al., "Effect of GnRH and hCG on Ovulation and Pregnancy in Mares." Vet. Rec. 139:119-120. (1996)
	Kinder, J. E., et al. "Endocrine Basis for Puberty in Heifers and Ewes." J. Repro. and Fertility, p. 393. (1995)
	Kinder, J. E., et al., "Endocrine Regulation of Puberty in Cows and Ewes." J. Repro. and Fertility, Suppl. 34:167. (1987)
	Kinoshita, Shuichi. "Spectroscopic Properties of Fluorescein in Living Lymphocytes," Osaka University 08/07/1986.
	Klindt, J. and J. D. Crouse. "Effect of Ovariectomy and Ovariectomy with Ovarian Autotransplantation on Feedlot Performance and Carcass Characteristics of Heifers." J. Anim. Sci. 68:3481. (1990)
	Klosterman, E. W. and C. F. Parker. "Effect of Size, Breed and Sex Upon Feed Efficiency in Beef Cattle." North Central Regional Research Publication 235, Ohio Agric. Research and Development Center 1090:3. (1976)
	Kniffen, D. M., et al., "Effects of Long-Term Estrogen Implants in Beef Heifers." J. Anim. Sci. 77:2886. (1999)
	Kobata, Akira, "Structures and Functions of the Sugar Chains of Human Chorionic Gonadotropin", in <u>Glycoprotein Hormones</u> Chin, W.W. and Boime, I., eds. Serono Symposia, Norwell, MA. p. 19-20. 1990
	Koch, R. M., et al., "Characterization of Biological Types of Cattle -Cycle-II .3." Carcass Composition, Quality and Palatability. J. Anim. Sci. 49:448. (1919)
	Kommisrud E., et al. "Comparison of Two Processing Systems for Bull Semen with Regard to Post-Thaw Motility and Nonreturn Rates." Theriogenology, Vol. 45, 1996, pp 1515-1521
	Lapin, D. R. and Ginther, O. J. "Induction of Ovulation and Multiple Ovulations in Seasonally Anovulatory and Ovulatory Mares with an Equine Pituitary Extract." J. Anim. Sci. 44:834-842. (1977)
	Laster, D. B., "Factors Affecting Dystocia and Effects of Dystocia on Subsequent Reproduction in Beef-Cattle." J. Anim. Sci. 36:695. (1973)
	Lawrenz, R. "Preliminary Results of Non-Surgical Intrauterine Insemination of Sheep With Thawed Frozen Semen." J S Afr. Vet. Assoc. 56(2): 61-63. (1985)
	Levinson, G., et al., "DNA-based X-Enriched Sperm Separation as an Adjunct to Preimplantation Genetic Testing for the Preparation of X-linked Disease." Mol. Human Reprod. 10:979-982. (1995)
	Lightwave Electronics, "Xcyte," www.LightwaveElectronics.com
	Lindsey, A. C., et al., "Low Dose Insemination of Mares Using Non-Sorted and Sex-Sorted Sperm" Animal Reproduction Science 68 p. 279-89 (2001)
	Lindsey, A.C. Hysteroscopic insemination of mares with nonfrozen low-dose unsexed or sex-sorted spermatozoa.
	Liu, Z, et al. "Survival of Bull Sperm Frozen at Different rates in Media Varying in Osmolarity." Cryobiology, Vol. 27, 1998, pp 219-230
	Lonergan, P., et al., "Effect of Time Interval from Insemination to First Cleavage on the Development of Bovine Embryos In Vitro and In Vivo", Therio. p. 326 (1999)

	Long, C.R., et al., "In Vitro Production of Porcine Embryos From Semen Sorted for Sex With a High Speed Cell Sorter: Comparison of Two Fertilization Media." <i>Therio</i> . 49(1): 363 (1998) abstr.
	Loy, R. G. and Hughes, J.P. "The Effects of Human Chorionic Gonadotropin on Ovulation, Length of Estrus, and Fertility in the Mare." <i>Cornell Vet</i> . 56:41-50 (1965)
	Lu, K. H. et al., "In Vitro Fertilization of Bovine Oocytes with Flow-Cytometrically Sorted and Unsorted Sperm from Different Bulls" <i>Therio</i> . 2001 abstr.
	Lu, K. H., et al., "In Vitro Fertilization with Flow-Cytometrically-Sorted Bovine Sperm", <i>Therio</i> 52, p. 1393-1405. (1999)
	Lynch, I. M., et al., "Influence of timing of gain on growth and reproductive performance of beef replacement heifers." <i>J. Anim. Sci</i> . 75:1715. (1997)
	Macmillan, K. L. and Day, A.M., "Prostaglandin F2a: A Fertility Drug In Dairy Cattle?", <i>Animal Research Station, Private Bag, Hamilton, New Zealand, Therio</i> . Vol. 18, No. 3, p. 245-253 (1982)
	Manni, Jeff. "To-Photon Excitation Expands the Capabilities of Laser-Scanning Microscopy," 1996 <i>Biophotonics International</i>
	Manning, S.T., et al., "Development of Hysteroscopic Insemination of the Uterine Tube in the Mare", <i>Proceedings of the Annual Meeting of the Society for Theriogenology</i> , 1998, p. 84-85.
	Martin, A. H., et al., "Characteristics of Youthful Beef Carcasses in Relation to Weight, Age and Sex. III. Meat Quality Attributes." <i>Canadian J. Anim. Sci</i> . 51:305. (1971)
	Martin, L. C., et al., "Genetic-effects on Beef Heifer Puberty and Subsequent Reproduction." <i>J. Anim. Sci</i> . 70:4006. (1992)
	Martinez, E. A., et al., "Successful Low-Dose Insemination by a Fiberoptic Endoscope Technique in the Sow", <i>Proceedings Annual Conference of the International Embryo Transfer Society, Netherlands, Therio</i> . Vol. 53 p. 201, January 2000
	Matsuda, Y. and Tobari, I. "Chromosomal Analysis in Mouse Eggs Fertilized In Vitro With Sperm Exposed to Ultraviolet Light (UV) and Methyl and Ethyl Methanesulfonate (MMS and EMS)." <i>Mutat. Res</i> . 198:131-144. (1988)
	Matulis, R. J., "Growth and carcass characteristics of cull cows after different times-on-feed." <i>J. Anim. Sci</i> . 65:669. (1987)
	Mauleon, P. "Recent research related to the physiology of puberty." In: J.C. Taylor (ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . (1975)
	Maxwell, W. and Johnson, L., "Chlortetracycline Analysis of Boar Spermatozoa After Incubation, Flow Cytometric Sorting, Cooling, or Cryopreservation", <i>Molecular Reproduction and Development</i> 46, p. 408-418. (1997)
	Maxwell, W. M. C., et al., "Fertility of Superovulated Ewes After Intrauterine or Oviductal Insemination with Low Numbers of Fresh or Frozen-Thawed Spermatozoa." <i>Reprod. Fertil. Dev</i> . 5:57-63. (1993)
	Maxwell, W. M. C., et al., "The Relationship Between Membrane Status and Fertility of Boar Spermatozoa After Flow Cytometric Sorting in the Presence or Absence of Seminal Plasma" <i>Reprod. Fertil. Dev</i> . Vol. 10 p. 433-40 (1998)
	Maxwell, W. M. C., et al., "Viability and Membrane Integrity of Spermatozoa after Dilution and Flow Cytometric Sorting in the Presence or Absence of Seminal Plasma." <i>Reprod. Fertil. Dev</i> . 8:1165-78. (1997)
	McCormick, R. J. "The Flexibility of the Collagen Compartment of Muscle." <i>Meat Sci</i> . 36:79. (1994)
	McCue, P.M. "Superovulation" <i>Vet. Clin. N. Amer. Eq. Prac</i> . 12:1-11. (1996)
	McCue, P.M., et al., "Oviductal insemination in the mare." 7th <i>Internat. Symp. Eq. Reprod</i> . 133 (1997) abstr.
	McDonald, L. E. "Hormones of the Pituitary Gland." <i>Veterinary Pharmacology and Therapeutics</i> . 6th ed. Edited by N. H. Booth and L. E. McDonald. Ames, Iowa State Univ. Press. p. 590 (1988)
	McKenna, T. et al., "Nonreturn Rates of Dairy Cattle Following Uterine Body or Cornual Insemination." <i>J. Dairy Sci</i> . 73:1179-1783 (1990)

	McKinnon, A.O. and Voss, J. L. <u>Equine Reproduction</u> . Lea and Febiger. Philadelphia, London (1993)
	McKinnon, A.O., et al., "Predictable Ovulation in Mares Treated With an Implant of the GnRH Analogue Deslorelin." Eq. Vet. J. 25:321-323. (1993)
	McKinnon, A.O., et al., "Repeated Use of a GnRH Analogue Deslorelin (Ovuplant) for Hastening Ovulation in the Transitional Mare." Eq. Vet. J. 29:153-155. (1996)
	McLeod, John H., "The Axicon: A New type of Optical Element", Journal of the Optical Society of America, Vol. 44 No. 8, August 1954, Eastman Kodak Company, Hawk-Eye Works, Rochester, New York.
	McNutt, T. L. et al., "Flow Cytometric Sorting of Sperm: Influence on Fertilization and Embryo/Fetal Development in the Rabbit", Molecular Reproduction and Development, Vol. 43, p 261-267 (1996)
	Meilgaard, M., et al., "Sensor Evaluation Techniques." CRC Press Inc., Boca Raton, FL. (1991)
	Meinert, C., et al., "Advancing the Time of Ovulation in the Mare With a Short-Term Implant Releasing the GnRH Analogue Deslorelin", Equine Veterinary Journal, 25, p 65-68 (1993)
	Melamed et al, "An Historical Review of the Development of Flow Cytometers and Sorters", 1979, pp. 3-9
	Mendes Jr., J.O.B. "Effect of heparin on cleavage rates and embryo production with four bovine sperm preparation protocols" Theriogenology 60 (2003) 331-340
	Menke, E. A Volume Activated Cell Sorter Journal of Histochemistry and Cytochemistry, 1977, vol. 25, No. 7, pp 796-803
	Merton, J., et al., "Effect of Flow Cytometrically Sorted Frozen/Thawed Semen on Success Rate of In Vitro Bovine Embryo Production", Therio. 47, p. 295. (1997)
	Metezeau P. et al. Improvement of Flow Cytometry Analysis and Sorting of Bull Spermatozoa by Optical Monitoring of Cell Orientation as Evaluated by DNA Specific Probing" Molecular Reproduction and Development, 1991, vol. 30 pp 250-257
	Meyers, P. J., et al., "Use of the GnRH Analogue, Deslorelin Acetate, in a Slow Release Implant to Accelerate Ovulation in Oestrous Mares." Vet. Rec. 140:249-252. (1997)
	Michaels, C., "Beef A. I. Facilities That Work", Proc. Fifth N.A.A.B Tech. Conf. A. I. Reprod. Columbia, MO. pp. 20-22.
	Michel, T. H., et al., "Efficacy of Human Chorionic Gonadotropin and Gonadotropin Releasing Hormone for Hastening Ovulation in Thoroughbred Mares." Eq. Vet. J. 6:438-442. (1986)
	Miller, S. J. "Artificial Breeding Techniques in Sheep." Morrow, D.A. (ed): Current Therapy in Therio 2. Philadelphia, WB Saunders. (1986)
	Mirskaja, L. M. and Petropavloskii, V.V. "The Reduction of Normal Duration of Heat in the Mare by the Administration of Prolan." Probl. Zivotn. Anim. Breed. Abstr. 5:387. (1937)
	Moe, P. W., "Energetics of Body Tissue Mobilization." J. of Dairy Sci. 1971 54:548.
	Molinia, F. C., et al., "Successful Fertilization After Superovulation and Laparoscopic Intrauterine Insemination of the Brushtail Possum Trichosurus vulpecula, and Tammar Wallaby, Macropus eugenii." J. Reprod. Fertil. 112:9-17. (1998)
	Moran, C., et al., "Puberty in Heifers -a Review." Animal Reproduction Sci. 18:167. (1989)
	Moran, D. M. et al., "Determination of Temperature and Cooling Rate Which Induce Cold Shock in Stallion Spermatozoa", Therio. Vol. 38 p. 999-1012 (1992)
	Morcom, C. B. and Dukelow, W.R. "A Research Technique for the Oviductal Insemination of Pigs Using Laparoscopy." Lab. Anim. Sci. p. 1030-1031. (1980)
	Morgan, J. B., et al., "National Beef Tenderness Survey." J. Anim. Sci. 69: 3274. (1991)
	Morris, L. H., et al., "Hysteroscopic Insemination of Small Numbers of Spermatozoa at the Uterotubal Junction of Preovulatory Mares", Journal of Reproduction and Fertility, Vol. 118, pp. 95-100 (2000)
	Morris, S. T., et al., "Biological efficiency: How relevant is this concept to beef cows in a mixed livestock seasonal pasture supply context?" Proceedings of the New Zealand Society of Animal Production 54:333. (1994)

	Moseley, W. M., et al., "Relationship of Growth and Puberty in Beef Heifers Fed Monensin" J. Anim. Sci. Vol. 55 No. 2 p. 357-62 (1982)
	Mount, D. E. "Fibrous and Non-fibrous Carbohydrate Supplementation to Ruminants Grazing Forage From Small Grain Crops." M.S. Thesis. Abstr. Colorado State University. (2000)
	Muller, W. and Gautier, F. "Interactions of Heteroaromatic Compounds with Nucleic Acids." Euro. J Biochem. 54:358. (1975)
	Mullis, K. B. and F. A. Faloona, "Specific Synthesis of DNA in Vitro Via a Polymerase-Catalyzed Chain Reaction" Methods in Enzymology Vol. 155 p. 335-350 (1978)
	Munne, S. "Flow Cytometry Separation of X and Y Spermatozoa Could be Detrimental to Human Embryos", Hum. Reprod. 9(5): 758 (1994)
	Myers, S. E., "Performance and Carcass Traits of Early-Weaned Steers Receiving Either a Pasture Growing Period or a Finishing Diet at Weaning." J. Anim. Sci. 77:311. (1999)
	Myers, S. E., et al., "Comparison of Three Weaning Ages on Cow-Calf Performance and Steer Carcass Traits." J. Anim. Sci. 77:323. (1999)
	Myers, S. E., et al., "Production Systems Comparing Early Weaning to Normal Weaning With or Without Creep Feeding for Beef Steers." J. Anim. Sci. 77:300. (1999)
	Nix, J. P., et al., "Serum Testosterone Concentration, Efficiency of Estrus Detection and Libido Expression in Androgenized Beef Cows." Therio. 49: 1195. (1998)
	Nowshari, et al., "Superovulation of Goats with Purified pFSH Supplemented with Defined Amounts of pLH", Therio. Vol. 43, p. 797-802 (1995)
	NRC. "Nutrient Requirements for Beef Cattle." National Academy of Sci. National Research Council, Washington, DC. (1996)
	O'Brien, Justine K. et al., "Preliminary Developments of Sperm Sorting Technology in Non-human Primates", Biology of Reproduction 2001 (Suppl. 1) 64:158.
	Olive, M.D., "Detection of Enterotoxigenic Escherichia coli after Polymerase Chain Reaction Amplification with a Thermostable DNA Polymerase", J of Clinical Microbiology, Feb 1989 p. 261-265
	Olson, S.E. and Seidel, G. E. Jr., "Reduced Oxygen Tension and EDTA improve Bovine Zygote Development in a Chemically Defined Medium", J. of Anim. Sci. 78, pp. 152-157. (2000)
	Owen, J. B. "The Maiden Female-A Means of Increasing Meat Production." Proc. Symp. On the Use of Once Bred Heifers and Gilts. (1973)
	Ozhin F.V. et al. Artificial insemination of farm animals. Moscow, Izdatelstvo Selskokhozyaastvennoi Literatry, 1961, pp. 350-361 and pp. 380-393
	Pace, M. M. and Sullivan, J. J. "Effect of Timing of Insemination, Numbers of Spermatozoa and Extender Components on Pregnancy Rates in Mares Inseminated with Frozen Stallion Semen." J. Reprod. Fertil. Suppl. 2001, 23:115-121.
	Parrish, J. J., et al., "Capacitation of Bovine Sperm by Heparin", Department of Meat and Animal Science, Biology Of Reproduction 38, p 1171-1180 (1988)
	Patterson, D. J., et al., "Estrus Synchronization with an Oral Progestogen Prior to Superovulation of Postpartum Beef Cows" Therio. 48, 1025-33 (1997)
	Peippo, J., et al., "Sex Diagnosis of Equine Preimplantation Embryos Using the Polymerase Chain Reaction", Therio. Vol. 44:619-627 (1995)
	Penfold, L.M. et al., "Comparative Motility of X and Y Chromosome-Bearing Bovine Sperm Separated on the Basis of DNA Content", Mol. Reprod. And Develop. 1998, Vol 50, pp323-327.
	Perry, E. J., "Historical Background" The Artificial Insemination of Farm Animals. 4th ed. E. J. Perry (ed.) New Brunswick, Rutgers University Press, pp. 3-12. (1968)
	Petersen, G. A., et al, "Cow and Calf Performance and Economic-Considerations of Early Weaning of Fall-Born Beef Claves", J. Anim. Sci., 64:15, pp 15-22. (1987)
	Petit, M. "Early Calving in Suckling Herds." In: J.C. Taylor (ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . p.157-176. (1975)
	Pickett B.W., et al., Recent Developments in Artificial Insemination in Horses" Livestock Production Science, 1998

	Pickett, B. W., et al., "Factors Influencing the Fertility of Stallion Spermatozoa in an A. I. Program." Proc. 8th International Congress Anim. Reprod. A. I. Krakow, Poland. 4:1049 - 1052. (1976)
	Pickett, B. W., et al., "Effect of Seminal Extenders on Equine Fertility." J. Anim. Sci. 40:1136-1143. (1975)
	Pickett, B. W., et al., "Influence of Seminal Additives and Packaging Systems on Fertility of Bovine Spermatozoa." J. Anim. Sci. Suppl. II. 47:12. (1978)
	Pickett, B. W., et al., "Management of the Mare for Maximum Reproductive Efficiency." CSU Anim. Repro. Lab. Bull. No. 06. Fort Collins CO. (1989)
	Pickett, B. W., et al., "Procedures for Preparation, Collection, Evaluation and Insemination of Stallion Semen." CSU Exp. Sta. Artira. Reprod. Lab. Gen. Series Bull. 935. (1973)
	Pickett, B. W., et al., "Recent Developments in Artificial Insemination in Horses", Livestock Production Science, 40, p 31-36 (1994)
	Pickett, B. W., et al., "The Effect of Extenders, Spermatozoal Numbers and Rectal Palpation on Equine Fertility." Proc. Fifth N.A.A.B Tech. Conf. A. I. Reprod. Columbia, MO. pp. 20-22. (1974)
	Pinkel et al., "Flow Chambers and Sample Handling", Flow Cytometry: Instrumentation and Data Analysis, Van Dilla et al. (Eds.), 1985, pp. 77-128
	Pinkel, D., et al., "Flow Cytometric Determination of the Proportions of X- and Y- Chromosome-Bearing Sperm in Samples of Purportedly Separated Bull Sperm", J. of Anim. Sci., Vol. 60, p 1303 - 1307 (1998)
	Pinkel, D., et al., "High Resolution DNA Content Measurements of Mammalian Sperm", Cytometry 3:1-9. (1982)
	Pinkel, D., et al., "Sex Preselection in Mammals? Separation of Sperm Bearing the Y and "O" Chromosomes in the Vole <i>Microtus Oregoni</i> ", Science Vol. 218 p. 904 (1982)
	Piston, D.W. "Three-dimensionally resolved NAD(P)H cellular metabolic redox imaging of the in situ cornea with two-photon excitation laser scanning microscopy," Journal of Microscopy, Vol. 178, 11/29/1994.
	Polge, E. J., "Historical Perspective of AI: Commercial Methods of Producing Sex Specific Semen, IVF Procedures", Proceedings of the 16th Technical Conference on Artificial Insemination & Reproduction, Cambridge, England, pp. 7-11. (1996)
	Polge, et al, "Revival of Spermatozoa After Vitrification and Dehydration at Low Temperatures," Nature, 164:666 (1994)
	Preza, C. et al, "Determination of Direction-Independent Optical Path-Length Distribution of Cells Using Rotational-Diversity Transmitted-Light Differential Interference Contrast (DIC) Images", Presented at the Multidimensional Microscopy: Image Acquisition and Processing V, p. 1-11 (1998)
	Province, C.A., et al., Cooling Rates, Storage, Temperatures and Fertility of Extended Equine Spermatozoa" Therio. Vol. 23 (6) p.925-934, June 1985
	Pursel, et al, "Effect of Orvus ES Paste on Acrosome Morphology, Motility and Fertilizing Capacity of Frozen-Thawed Boar Sperm," Journal of Animal Science, 47:1:198-202 (1978)
	Purvis, H. T. and J. C. Whittier. "Effects of Ionophore Feeding and Anthelmintic Administration on Age and Weight at Puberty in Spring-Born Beef Heifers." J. Anim. Sci. 74:736-744. (1996)
	Randel, R. D. "Nutrition and Postpartum Rebreding in Cattle." J. Anim. Sci. 68:853. (1990)
	Rath, D., et al., "Low Dose Insemination Technique in the Pig", Boar Semen Preservation IV, p. 115-118. (2000)
	Rath, D., et al., "Production of Piglets Preselected for Sex Following in Vitro Fertilization with X and Y Chromosome-Bearing Spermatozoa Sorted by Flow Cytometry", Therio. 47, p. 795-800 (1997)
	Rathi, R. et al., "Evaluation of In Vitro Capacitation of Stallion Spermatozoa", Biology of Reproduction 2001, Vol.65, pp. 462-470
	Recktenwald, Diether. "Cell Separation Methods and Applications," New York 1997.

	Reiling, B.A., et al., "Effect of Prenatal Androgenization on Performance, Location, and Carcass and Sensory Traits on Heifers in Single Calf Heifer System", J. Anim. Sci., 1995, 73: 986, p 986-992.
	Reiling, B.A., et al., "Effects of Prenatal Androgenization and Lactation on Adipose Tissue Metabolism in Finishing Single-Calf Heifers" J. Anim. Sci. Vol. 75 p. 1504-1512 (1997)
	Reiling, B.A., et al., "Effects of prenatal Androgenization, Melengestrol Acetate, and Synovex-H on Feedlot Performance, Carcass, and Sensory Traits of Once-Calved Heifers" J. Anim. Sci. Vol. 74 p. 2043-51 (1996)
	Rens, W., et al., "A Novel Nozzle for More Efficient Sperm Orientation to Improve Sorting Efficiency of X and Y Chromosome-Bearing Sperm", Technical Notes, Cytometry 33, p 476-481 (1998)
	Rens, W., et al., "Improved Flow Cytometric Sorting of X- and Y- Chromosome Bearing Sperm: Substantial Increase in Yield of Sexed Semen", Molecular Reproduction and Development, p 50-56(1999)
	Rieger, D., et al, "The Relationship Between the Time of First Cleavage of Fertilized Cattle Oocytes and Their Development to the Blastocyst Stage", Therio. 1999, p. 190.
	Rigby, S. L., et al., "Pregnancy Rates in Mares Following Hysteroscopic or Rectally-Guided Utero-Tubal insemination with Low Sperm Numbers" Abstracts/Animal Reproduction Science Vol. 68 p.331-333 (2001)
	Riggs, B.A. "Integration of Early Weaning and Use of Sexed Semen in a Single-Calf Heifer System to Increase Value of Non-Replacement Heifers" MS Thesis, Colorado State University, Spring 2000
	Ritar, A. and Ball, A., "Fertility of Young Cashmere Goats After Laparoscopic Insemination." J. Agr. Sci. 117: p. 271-273. (1991)
	Roberts, J. R., Veterinary Obstetrics and Genital Diseases. Ithaca, New York. p. 740-749. (1971)
	Romero-Arredondo, A. " Effects of Bovine Follicular Fluid on Maturation of Bovine Oocytes" Theriogenology 41: 383-394, 1994
	Romero-Arredondo, A. "Effects of Follicular Fluid dring In Virto Maturation of Bovine Oocytes on In Vitro Fertilization and Early Embryonic Development" Biology of Reproduction 55, 1012-1016 1996
	Romita, A. "Some Considerations on the Beef Situation in Italy." In: J.C. Taylor (ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . 23. (1975)
	Roser, J. F., et al., "Reproductive Efficiency in Mares With Anti-hCG Antibodies." Proc 9th Int. Congr. Anim. Repro. and A. I. 4:627 (1980) abstr.
	Roth, T. L., et al., "Effects of Equine Chorionic Gonadotropin, Human Chorionic Gonadotropin, and Laparoscopic Artificial Insemination on Embryo, Endocrine, and Luteal Characteristics in the Domestic Cat." Bio. Reprod. 57:165-171 (1997)
	Roux, M., et al., "Early Calving Heifers Versus Maiden Heifers for Beef-Production from Dairy herds. I. The Effects of Genotype (Friesian and Carloads x Friesian) and Two Feeding Levels in the Rearing Period on Growth and Carcass Quality." Livestock Prod. Sci. 16:1 (1987)
	Rowley, H. S., et al., "Effect of Insemination Volume on Embryo Recovery in Mares." J. Equine Vet. Sci. 10:298-300 (1990)
	Roy, J. H., "Rearing Dairy-Herd Replacements." Journal of the Society Of Dairy Technology 31:73-79 (1978)
	Rutter, L. M., et al., "Effect of Abomasal Infusion of Propionate on the GnRH-Induced Luteinizing Hormone Release in Prepuberal Heifers." J. Anim. Sci. 56:1167 (1983)
	Salamon, S., Artificial Insemination of Sheep, Chippendale, New South Wales. Pubcity Press. p.83-84 (1976)
	Salisbury, G. W. and VanDemark, N. L. "Physiology of Reproduction and Artificial Insemination of Cattle." San Francisco: Freeman and Company. p. 442-551 (1978) (1961 & 1978 COMBINED) Chapters 16 and 17 are the complete article. Published by W.H.Freeman Co., San Francisco California.

	Schenk, J. L. "Applying Sperm Sexing Technology to the AI Industry", Proceedings of the 18th Technical Conference on Artificial Insemination & Reproduction, Sept.29-30, 2000.
	Schenk, J. L., et al., "Imminent Commercialization of Sexed Bovine Sperm", Proceedings, The Range Beef Cow Symposium XVI p. 89-96 (1999) Greeley Colorado
	Schenk, J. L., "Cryopreservation of Flow-Sorted Bovine Spermatozoa", Therio. Vol. 52, 1375-1391 (1999)
	Schiewe, M. C., et al., "Transferable Embryo Recovery Rates Following Different Insemination Schedules in Superovulated Beef Cattle" Therio. 28 (4) October 1997, pp. 395-406
	Schillo, K. K., et al, "Effects of Nutrition and Season on the Onset of Puberty in the Beef Heifer." J. Anim. Sci. 70:3994 (1992)
	Schmid, R. L., et al, "Fertilization with Sexed Equine Spermatozoa Using Intracytoplasmic Sperm Injection and Oviductal Insemination ", 7th International Symposium On Equine Reproduction, pp. 139 (1998) abstr.
	Schnell, T. D., et al, "Performance, Carcass, and Palatability Traits for Cull Cows Fed High-Energy Concentrate Diets for 0, 14, 28, 42, or 56 days." J. Anim. Sci. 75:1195. (1997)
	Schoonmaker, J. P., et al., "Effects of Age at Weaning and Implant Strategy on Growth of Steer Calves." J. Anim. Sci. (Suppl. II) 76:71. (1998) abstr.
	Seidel, G. E. Jr. " Cryopreservation of Equine Embryos" Veterinary Cliniciis of North America: Equine Practice Vol. 12, Number 1, April 1996
	Seidel, G. E. Jr. " Sexing Bovine Sperm" The AABP Proceedings - Vol 34, September 2001
	Seidel, G. E. Jr. "Sexing mammalian spermatozoa and embryos-state of the art Journal of Reproduction and Fertility Supp 54, 477-487 1999.
	Seidel, G. E. Jr. "Uterine Horn Insemination of Heifers With Very Low Numbers of Nonfrozen and Sexed Spermatozoa", Atlantic Breeders Cooperative, Therio. 48: pp. 1255-1264, (1997)
	Seidel, G. E. Jr et al., "Current Status of Sexing Mammalian Spermatozoa," Society for Reproduction and fertility, pp 733-743, 2002
	Seidel, G. E. Jr., "Commercializing Repreductive Biotechnology - The Approach used by XY, Inc.," Theriogenology, p. 5, 1999
	Seidel, G. E. Jr. et al., "Insemination of Heifers with Sexed Sperm", Therio, Vol. 52, pp. 1407-1421 (1999)
	Seidel, G. E. Jr., "Use of Sexed Bovine Sperm for In Vitro Fertilization and Superovulation", Animal Reproduction and Biotech Lab, CSU, Proceedings of the 2000 CETA/ACTE Convention, Charlottetown, Prince Edward Island, August 2000, pp. 22-24.
	Seidel, G. E. Jr., "Artificial Insemination With X-and Y-Bearing Bovine Sperm", Animal Reproduction and Biotechnology Laboratory, Colorado State University, (1996)
	Seidel, G. E. Jr., "Status of Sexing Semen for Beef Cattle", Texas A & M University 45th Annual Beef Cattle Short Course and Trade Show Proceedings, August 9-11, p. III24-III27, (1999)
	Seidel, G. E. Jr., et al, "Insemination Of Heifers With Very Low Numbers Of Frozen Spermatozoa", CSU, Atlantic Breeders Cooperative, Lancaster, PA, DUO Dairy, Loveland, CO, July (1996)
	Seidel, G. E. Jr., et al, "Insemination of Holstein Heifers With Very Low Numbers Of Unfrozen Spermatozoa", CSU, Atlantic Breeders Cooperative, (1995)
	Seidel, G. E. Jr., et al, "Sexing Mammalian Sperm - Overview", Therio. 52: 1267-1272, (1999)
	Seidel, G. E. Jr., et al., "Artificial Insemination of Heifers with Cooled, Unfrozen Sexed Semen", Therio, Vol. 49 pp. 365 (1998) abstr.
	Seidel, G. E. Jr., et al., "Insemination of Heifers with Sexed Frozen or Sexed Liquid Semen." Therio. 51. (in press) (1999) abstr.
	Seidel, G. E. Jr., "Economics of Selecting for Sex: The Most Important Genetic Trait, Theriogenology 59, (2003), pp 585-598.

	Sell, R. S., et al., "Single-calf Heifer Profitability Compared to Other North Dakota Beef Production Systems." Department of Ag. Eco., North Dakota State University, Ag. Econ. Rpt. 20.; October 1988
	Senger, P. L., et al., "Influence of Cornual Insemination on Conception in Dairy Cattle." J Anim. Sci. 66:3010-3016. (1988)
	Shabpareh, V. "Methods for Collecting and Maturing Equine Oocytes in Vitro " Theriogenology 40: 1161-1175, 1993
	Shackelford, S. D., et al, "Effects of Slaughter Age on Meat Tenderness and USDA Carcass Maturity Scores of Beef Females." J. Anim. Sci. 73:3304. (1995)
	Sharpe, J.C., et al., "A New Optical Configuration for Flow Cytometric Sorting of Aspherical Cells" Horticulture and Food Research Institute of New Zealand Ltd., Hamilton, New Zealand (PNS) 11-02 1997 ABSTRACT
	Sharpe, Johnathan, Thesis; "An Introduction of Flow Cytometry", Ch. 2-2.2, 1997
	Sharpe, Johnathan, Thesis; "Gender Preselection-Principle Scientific Options," Ch. 3.4-3.4.8, 1997
	Sharpe, Johnathan, Thesis; "Sperm Sexing using Flow Cytometry," Ch. 3.5-3.5.8, 1997
	Sharpe, Johnathan, Thesis; "Sperm Sexing-Method of Johnson et al," Ch. 3.6-4.3.4, 1997
	Shelton, J. N. and Moore, N.W. "The Response of the Ewe to Pregnant Serum Mare Gonadotropin and to Horse Anterior Pituitary Extract." J. Reprod. Fertil. 14:175 - 177. (1967)
	Shilova, A. V., et al., "The Use of Human Chorionic Gonadotropin for Ovulation Date Regulation in Mares." VIIIth Int. Congress On Anim. Repro. and A. I. 204-208. (1976)
	Shorthose, W. R. and P. V. Harris. "Effect of Animal Age on the Tenderness of Selected Beef Muscles." J. Food Sci. 55:1-. (1990)
	Silbermann, M., "Hormones and Cartilage. Cartilage: Development, Differentiation, and Growth." pp. 327-368. Academic Press, Inc. (1983)
	Simon, M., "The Effect of Management Option on the Performance of Pregnant Feedlot Heifers." M.S. Thesis. Kansas State University. (1983)
	Skogen-Hagenson, M. J. et al; "A High Efficiency Flow Cytometer," The Journal of Histochemistry and Cytochemistry, Vol. 25, No. 7, pp. 784-789, 1977, USA
	Smith, G. C., et al, "USDA Maturity Indexes and Palatability of Beef Rib Steaks." J. of Food Quality 11:1. (1988)
	Smith, G. C., et al., "Relationship of USDA Maturity Groups to Palatability of Cooked Beef." J. of Food Sci. 47:1100. (1982)
	Smith, R. L., et al, "Influence of Percent Egg Yolk during Cooling and Freezing on Survival of Bovine Spermatozoa, Dairy Science 1979 J 62:1297-1303
	Spectra Physics, The Solid State Laser Company, "Vangaurd 4 Watts of UV from a Quasi-CW, All Solid State Laser," http://www.splasers.com/products/isl_products/vangaurd.html three pages, printed 14 Nov 2002
	Spectra-Physics Products, "Fcbar" http://www.splasers.com/products/oem_products/ov_fcbar.html two pages printed 14 Nov 2002
	Spectra-Physics, The Solid State Laser Company, "Vanguard 2000-HMD 532, www.specra-physics.com , Copyright 2002
	Spectra-Physics, The Solid State Laser Company, "Vanguard 350-HMD 355, www.specra-physics.com Copyright 2002
	Squires, E. L, et al., "Effect of Dose of GnRH Analog on Ovulation in Mares." Therio. 41:757-769. (1994)
	Squires, E. L., "Simultaneous Analysis of Multiple Sperm Attributes by Flow Cytometry", Diagnostic Techniques and Assisted Reproductive Technology, The Veterinary Clinics of North America, Equine Practice, Vol. 12, No. 1, p127-130 (1996)
	Squires, E. L., "Early Embryonic Loss" <u>Equine Diagnostic Ultrasonography</u> , first ed., Rantanen & McKinnon. Williams and Wilkins, Baltimore, Maryland, p. 157-163 (1998)

	Squires, E. L., et al, "Cooled and Frozen Stallion Semen", Bulletin No. 9, Colorado State University, Ft. Collins, CO. (1999)
	Squires, E.L., "Procedures for Handling Frozen Equine Semen for Maximum Reproductive Efficiency", (1998) pp. 1, 39-41, 81-89
	Staigmiller, R.B. " Superovulation of Cattle with Equine Pituitary Extract and Porcine FSH" Theriogenology 37: 1091-1099 1992
	Stap J. Et al "Improving the Resolution of Cryopreserved X- and Y- Sperm During DNA Flow Cytometric Analysis with the Addition of Percoll to quench the Fluorescence of Dead Sperm: Academic Medical Center, University of Amsterdam (1998) Journal of Animal Science vol 76 1998, pp, 1896-1902
	Steel, N. L., "Cost Effectiveness of Utilizing Sexed-Semen in a Commercial Beef Cow Operation", MS Thesis, Colorado State University, Summer 1998
	Steinkamp: "Flow Cytometry" vol.55, no. 9, Sept. 1984 pp 1375-1400, New York Review of Scientific Instruments ABSTRACT ONLY
	Stellflug, J. N., "Plasma Estrogens in Periparturient Cow." Therio 10:269. (1978)
	Stevenson, J. S., et al., "Detection of Estrus by Visual Observation and Radiotelemetry in Peripubertal, Estrus-Synchronized Beef Heifers." J. Anim. Sci. 74:729. (1996)
	Story, C. E., et al., "Age of Calf at Weaning of Spring-Calving Beef Cows and the Effect on Cow and Calf Performance and Production Economics." J. Anim. Sci. 78:1403. (2000)
	Stovel R.T. A Means for Orienting Flat Cells in flow systems Biophysical Journal, 1978,vol.23,pp 1-5
	Sullivan, J. J., et al., "Duration of Estrus and Ovulation Time in Nonlactating Mares Given Human Chorionic Gonadotropin During Three Successive Estrous Periods." J.A.V.M.A. 162:895-898. (1973)
	Sumner, A. T. and Robinson, J. A., "A Difference in Dry Mass Between the Heads of X and Y-Bearing Human Spermatozoa", J Reprod Fertil. 48, p. 9-15 (1976)
	Swanson, E. W. "Future Research on Problems of Increasing Meat Production by Early Calving." In: J.C. Taylor (ed.) <u>The Early Calving of Heifers and its Impact on Beef Production.</u> (1975)
	Swenson, S. L., et al., "PRRS Virus Infection in Boars: Isolation From Semen and Effect on Semen Quality" from the 1995 Research Investment Report, Iowa State University, Veterinary Clinical Sciences, Iowa State University
	Taljaard, T. L., et al., "The Effect of the Laparoscopic Insemination Technique on the Oestrus Cycle of the Ewe." J. South Afr. Vet. Assoc. 62(2): 60-61. (1991)
	Tatum, J. D., et al., "Carcass Characteristics, Time on Feed and Cooked Beef Palatability Attributes." J. Anim. Sci. 50:833. (1980)
	Taylor, C. S., "Efficiency of Food Utilization in Traditional and Sex-Controlled Systems of Beef Production", AFRC Animal Breeding Research Organization, West Mains Road, Edinburg EH9 3JQ; Animal Prod. 1985 40:401-440
	Tervit, H.R., et al., "Successful Culture In Vitro of Sheep and Cattle Ova", Agricultural Research Council, Unit of Reprod. Physio. and Biochem., Univ of Cambridge, p. 493-497 (1972)
	Thun, Rico, et al., "Comparison of Biociphos-Plus® and TRIS-Egg Yolk Extender for Cryopreservation of Bull Semen; Theriogenology Symposium, December 1999, vol 52, #8
	Time-Bandwidth Products "GE – 100 – XHP", www.tbasp.com , 2 pages, Jan. 2002.
	Unruh, J. A. "Effects of Endogenous and Exogenous Growth-Promoting Compounds on Carcass Composition, Meat Quality and Meat Nutritional-Value." J. Anim. Sci. 62:1441. (1986)
	USDA "Official United States Standards for Grades of Carcass Beef." Agric, Marketing Serv., USDA, Washington, DC. (1997)
	Van Dilla, Martin, "Overview of Flow Cytometry: Instrumentation and Data Analysis", Flow Cytometry: Instrumentation and Data Analysis, Van Dilla et al. (Eds.), 1985, pp. 1-8

	van Munster, E. B., et al, "Difference in Sperm Head Volume as a Theoretical Basis for Sorting X & Y-Bearing Spermatozoa: Potentials and Limitations", <i>Therio</i> 52, pp. 1281-1293 (1999)
	van Munster, E. B., et al, "Difference in Volume of X- and Y-chromosome Bearing Bovine Sperm Heads Matches Difference in DNA Content" <i>Cytometry</i> Vol. 35 p.125-128 (1999)
	van Munster, E. B., et al, "Measurement-Based Evaluation of Optical Path Length Distributions Reconstructed From Simulated Differential Interference Contrast Images", <i>J of Microscopy</i> 191, Pt. 2, p. 170-176 (1998)
	van Munster, E. B., et al, "Reconstruction of Optical Pathlength Distributions From Images Obtained by a Wide Field Differential Interference Contrast Microscope", <i>J of Microscopy</i> 188, Pt. 2, p. 149-157 (1997)
	Vazquez, J. J. et al., "Nonsurgical Uterotubal Insemination in the Mare", <i>Proceedings of the 44th Annual Convention of the American Association of Equine Practitioners</i> , Vol. 44, pp 68-69 (1998)
	Vazquez, J. M., et al., "A. I. in Swine; New Strategy for Deep Insemination with Low Number of Spermatozoa Using a Non-surgical Methodology", <i>14th International Congress on Animal Reproduction</i> , Vol. 2, Stockholm, July 2000, p. 289.
	Vazquez, J., et al., "Development of a Non-surgical Deep Intra Uterine Insemination Technique", <i>Boar Semen Preservation IV, IVth International Conference on Boar Semen Preservation</i> , Maryland, 8/8/1999, pp. 262-263.
	Vazquez, J., et al., "Hypotonic Swelling Test as Predictor of the Membrane Integrity in Boar Spermatozoa", <i>Boar Semen Preservation IV, IVth International Conference on Boar Semen Preservation</i> , Maryland, pp. 263., June 2004
	Vazquez, J., et al., "Successful low dose insemination by a fiber optic Endoscope technique in the Sow", <i>Proceedings Annual Conference of the International Embryo Transfer Society</i> , Netherlands, <i>Theriogenology</i> , Vol. 53 January 2000.
	Vidament, M., et al., "Equine Frozen Semen Freezability and Fertility Field Results." <i>Therio</i> . 48:907. (1997)
	Vincent, B.C., et al, "Carcass Characteristics and Meat Quality of Once-Calved Heifers." <i>Canadian J. Anim. Sci.</i> 71:311. (1991)
	Vogel, T., et al, "Organization and Expression of Bovine TSPY", <i>Mammalian Genome</i> , vol. 8, pp. 491-496 (1997)
	Voss, J. L. and Pickett, B. W., "Reproductive Management of the Broodmare." <i>CSU Exp. Sta. Anim. Reprod. Lab. Gen. Series. Bull.</i> 961. (1976)
	Voss, J. L., et al., "Effect of Number and Frequency of Inseminations on Fertility in Mares." <i>J. Reprod. Fertil. Suppl.</i> 32:53-57. (1982)
	Voss, J. L., et al., Effect of Human Chorionic Gonadotropin on Duration of Estrous Cycle and Fertility of Normally Cycling, Nonlactating Mares. <i>J.A.V.M.A.</i> 165:704-706. (1974)
	Waggoner, A. W., et al., "Performance, Carcass, Cartilage Calcium, Sensory and Collagen Traits of Longissimus Muscles of Open Versus 30-month-old Heifers That Produced One Calf." <i>J. Anim. Sci.</i> 68:2380. 1990
	Watson, "Recent Developments and Concepts in the Cryopreservation of Spermatozoa and the Assessment of Their Post-Thawing Function," <i>Reprod. Fertil. Dev.</i> 7:871-891 (1995) ABSTRACT
	Welch G., et al., "Fluidic and Optical Modifications to a FACS IV for Flow Sorting of X- and Y-Chromosome Bearing Sperm Based on DNA. <i>Cytometry</i> 17 (Suppl. 7): 74. (1994)
	Welch, G., et al., "Flow Cytometric Sperm Sorting and PCR to Confirm Separation of X- and Y-Chromosome Bearing Bovine Sperm", <i>Animal Biotechnology</i> , 6, pp 131 - 139 (1995)
	Wheeler, T. L., et al., "Effect of Marbling Degree on Beef Palatability in Bos-taurus and Bos-indicus cattle." <i>J. Anim. Sci.</i> 72:3145. (1994)
	Wickersham, E. W. and L. H. Schultz. "Influence of Age at First Breeding on Growth, Reproduction, and Production of Well-Fed Holstein Heifers." <i>J. Dairy Sci.</i> 46:544. (1963)

	Wilhelm, K.M. et al, "Effects of Phosphatidylserine and Cholesterol Liposomes on the Viability, Motility, and Acrosomal Integrity of Stallion Spermatozoa Prior to and after Cryopreservation", <i>Cryobiology</i> 33:320, 1996.
	Wilson, C. G., et al., "Effects of Repeated hCG Injections on Reproductive Efficiency in Mares." <i>Eq. Vet. Sci.</i> 4:301-308. (1990)
	Wilson, D. E. et al., "Mammal Species of the World", Smithsonian Institution Press, 1993, 1206 pp.
	Wilson, M.S. "Non-surgical Intrauterine Artificial Insemination in Bitches Using Frozen Semen." <i>J. Reprod. Fertil. Suppl.</i> 47:307-311. (1993)
	Windsor, D. P., et al, "Sex Predetermination by Separation of X and Y Chromosome-bearing Sperm: A Review", <i>Reproduction of Fertilization and Development</i> 5, pp. 155-171, (1993)
	Woods, G. L. and Ginther, O. J. "Recent Studies Related to the Collection of Multiple Embryos in Mares." <i>Therio.</i> 19:101-108. (1983).
	Woods, J., et al., "Effects of Time of Insemination Relative to Ovulation on Pregnancy Rate and Embryonic-Loss Rate in Mares." <i>Eq. Vet. J.</i> 22(6): 410-415. (1990)
	Zhou, Hongwei, et al. "Research on and Development of Flow Cell Sorting Apparatuses," <i>Gazette of Biophysics</i> , Vol 13, ed. 3, 1997
	Hamamatsu, "Photomultiplier Tubes," web page, http://www.optics.org/hamamatsu/pmt.html . Printed on 4/15/00 4
	Hermesmeyer, G.N. ,et al. "Effects of Lactation and Prenatal Androgenization on the Performance, Carcass Composition, and Longissimus muscle sensory characteristics of heifers in the single-calf heifer system. <i>The Professional Animal Scientist</i> 15: 14-23, (1995)
	Seidel, G. E. Jr., "Fertility of Bulls on the Edge of the Dose-Response Curve for Numbers of Sperm per Inseminate"; <i>Proceedings of the 17th Technical conference on Artificial Insemination & Reproduction</i> , 1998
	Hollinshead, F.K. et al. "In vitro and in vivo assessment of functional capacity of flow cytometrically sorted ram spermatozoa after freezing and thawing." <i>Reprod. Fertil. And Develop.</i> 2003. Vol 15, pp 351-359
	Hollinshead F. K. et al. "Production of lambs of predetermined sex after the insemination of ewes with low numbers of frozen-thawed sorted X- or Y- Chromosome-bearing spermatozoa", <i>Reprod. Fertil. And Develop.</i> 2002, vol. 14, pp 503-508
	Hollinshead F. K. et al. "Sex-Sorting and Re-cryopreservation of Frozen-Thawed Ram Sperm for In Vitro Embryo Production" <i>Theriogenology</i> , Vol. 59. (2003) pp. 209
	Dhali et al. Vitrification of Buffalo (<i>Bubalus Bubalis</i>)Oocytes, <i>Embryo Theriogenology</i> Vol 53, pp 1295-1303 (2000)
	Borini et al. Cryopreservation of Mature Oocytes: The use of a trypsin inhibitor enhances fertilization and obtained embryos rates, <i>Fertil. Steril.</i> (1997), Vol 68 (Suppl.)
	Hamamatsu Photonics K.K. Electronic Tube Center, Photomultiplier Tubes, Brochure Dec. 1997
	Johnson, L. A., et al. The Beltsville Sperm Sexing Technology: High-speed sperm sorting gives improved sperm output for In Vitro fertiliation and AI, <i>Journal of Animal Science</i> , Vol. 77, Suppl 2/J, Dairy Sci. Vol. 82, Suppl. 2/1999 pp 213-220
	Peters D., The LLNL high-speed sorter: Design features, operational characteristics, and bioical utility, <i>Cyometry</i> , 6:290-301 (1985)
	Rens W., et al Slit-scan flow cytometry for consistent high resdolution DNA analysis of X- and Y- chromosome bearing sperm, <i>Cytometry</i> 25:191-199 (1996)
	van Munster, E. B. Interferometry in flow to sort unstained X- and Y-Chromosome-Bearing Bull Spermatozoa, <i>Cytometry</i> 47:192-199 (2002)

	Scmid, R. L., et al. Effects of follicular fluid or progesterone on <i>in vitro</i> maturation of equine oocytes before intracytoplasmic sperm injection with non-sorted and sex-sorted spermatozoa, <i>Journal of Reproduction and Fertility</i> 56:519-525, 2000
	Brink, Z et al. A reliable procedure for superovulating cattle to obtain zygotes and early emryos for microinjection, <i>Theriogenology</i> Vol. 41, p 168, (1994)
	Spectra-Physics, The Solid State Laser Company, "Vanguard 350-HMD 355, User's Manual, December 2002
	Photon, Inc. Light MeasuringSolutions, NanoScan for High-powered beam Applications, 2005
	Fluorescence Lifetime Systems, www.picoquant.com , 1/28/2005 pp 2
	NCI ETI Branch, Flow CytometryCore Laboratory, http://home.ncifcrf.gov/ccr/flowcore/ndyag.htm , pp 5, 5/11/2004
	NCI ETI Branch, Flow CytometryCore Laboratory, http://home.ncifcrf.gov/ccr/flowcore/lrll.htm , pp 14, 5/11/2004
	Saacke,R.G., Can Spermatozoa with abnormal heads gain access to the ovum in artificially inseminated super- and single-ovulating cattle?, <i>Theriogenology</i> 50:117-128. 1998.
	Hawk, H.W., Gamete Transport in the Superovulated Cow. <i>Theriogenology</i> : January 1998 Vol. 29 No.1 pp.125-142
	Blecher, S.R., et al. A new approach to immunological sexing of sperm, <i>Theriogenology</i> , 59, pp. 1309-1321, 1999 Vol.
	Wheeler, M. B., et al. Application of sexed semen technology to in vitro embryo production in cattle, <i>Theriogenology</i> , Vol 65 (2006) 219-227
	Garverick, H. A., et al. mRNA and protein expression of P450 aromatase (AROM) and estrigen receptors (ER) α and β during early development of bovine fetal ovaries; The society for the study of reproduction 38th annual meeting July 24-27, 2005; Abstract only
	Bodmer, M., et al., Fertility in heifers and cows after low does insemination with sex-sorted and non-sorted sperm under field conditions; <i>Theriogenology</i> , Vol 64, (2005) 1647-1655
	Schenk J. L., et al. Embryo production from superovulated cattle following insemination of sexed sperm, <i>Theriogenology</i> , 65 (2006) 299-307
	Garner, D. L., Flow cytometric sexing of mammalian sperm, <i>Theriogenology</i> , 65 (2006) 943-957
	Habermann F. A., et al., Validation of sperm sexing in the cattle (<i>Bos taurus</i>) by dual colour flourescence in situ hybridization; <i>J Anim Breed Genet.</i> 2005 Apr; 122 Suppl 1:22-7 (Abstract only)
	Johnson, L. A., Sexing mammalian sperm for production of offspring: the state-of-the-art; <i>Animal Reproduction Science</i> ; 60-61 (2000) pp 93-107
	Seidel, G.E. Jr., et al., Methods of Ovum Recovery and Factors Affecting Fertilization of Superovulated Bovine Ova, <i>Control of Reproduction in the Cow</i> , Sneenan ed., 1978, pp 268-280
	Hawk, H. W. et al., Effect of Unilateral Cornual Insemination upon Fertilization Rate in Superovulating and Single-Ovulating Cattle, <i>Journal of Animal Sciences</i> , 1986 vol. 63, pp 551-560
	Andersson, M. et al., Pregnancy Rates in Lactating Holstein-Greisian Cows after Artificial Insemination with Sexed Sperm. <i>Reprod. Dom. Anim</i> 41, 95-97, 2006
	Morton, K. M., et al., In vitro and in vivo survival of bisected sheep embryos derived from frozen-thawed unsorted, and frozen-thawed sex-sorted and refrozen-thawed ram spermatozoa; <i>Theriogenology</i> , 65 (2006) 1333-1345
	Wilson, R. D., et al., In vitro production of bovine embryos using sex-sorted sperm, <i>Theriogenology</i> , 65 (2006) 1007-1015

	Johnson, L.A., et al, 1996 Gender preselection in mammals. XX Beltsville Symposium in Agricultural Research Technology's Role in the Genetic Improvement of Farm Animals. pp. 151-164, Amer. Soc. Anim. Sci. IL, USA.
	Smorag, Z., et al., Cattle Sex Regulation by Separation of X and Y Spermatozoa – Preliminary Results of Field Experiment in Poland, Reproduction, Fertility and Development 17(2) 306–306; 01/01/2005
	Crichton, E., et al. (Abstract) Artificial Insemination of Lactating Holstein Cows with Sexed Sperm, Reproduction, Fertility and Development 18(2) 281 - 281, 12/14/2005
	Lindsey, A.C., et al. Hysteroscopic insemination of low numbers of flow sorted fresh and frozen/thawed stallion spermatozoa, Equine Vet J. 2002 Mar;34(2):106-7.
	Drobnis, E. Z, Cold shock damage is due to lipid phase transitions in cell membranes : a demonstration using sperm as a model, Journal of experimental zoology (J. exp. zool.) 1993, vol. 265, no4, pp. 432-437 (22 ref.)
	Hagele, W.C., et al., Effect of Separating Bull Semen into X and Y Chromosome-bearing Fractions on the Sex Ratio of Resulting Embryos; Cran J. Comp. Med, 1984: 48:294-298
	US Patent Application Number 11/422,735 filed 05/25/2006 entitled Apparatus, Methods and Processes for Sorting Particles and for Providing Sex-Sorted Animal Sperm
	Suh, T.K, et al., Pressure during flow sorting of bull sperm affects post-thaw motility characteristics; Theriogenology Vol. 59, No. 1, January 2003 p 516
	Rath, D, et al., In Vitro Production of Sexed Embryos for Gender Preselection: High-speed sorting of X-Chromosome-Bearing Sperm to Produce Pigs After Embryo Transfer, J. Anim. Sci. 1999, 77:3346-3352
	Auchtung, T.L., et al., Effects of Photoperiod During the Dry Period on Prolactin, Prolactin Receptor, and Milk Production of Dairy Cows; Journal of Dairy Sci. 88: 121-127; American Dairy Sci. Assoc., 2005.
	Bailey, T. et al., Milk Production Evaluation In First Lactation Heifers; 1999 Virginia Cooperation Extension/Dairy Science Publication 404-285
	Belloin, J.C., Milk and Dairy products: production and processing costs Food and Agriculture Organization of United Nations Rome 1988 FAO; web page where found: www.fao.org/docrep/003/x6931e/X6931E00.htm
	Kume, Shin-ichi; Dept of Animal Nutrition National Institute of Animal Industry Tsukuba 305, Japan THE DAIRY INDUSTRY \$IN ASIA B. JAPAN; www.agnet.org/library/article/eb384b.html
	Crichton, E. et al., 347 Artificial Insemination of Lactating Holstein Cows with sexed sperm: Abstract CSORP Publishing - Reproduction, Fertility and Development www.publish.csiro.au/nid/44/paper/RDv18n2Ab347.htm
	Lopez, H. et al., Relationship Between Level of Milk Production and Multiple Ovulation in Lactating Dairy Cows Journal of Dairy Sci. 88:2783-2793; American Dairy Science Association, 2005.
	Managing the Dairy Cow During the Dry Period; Dairy Cattle Production 341-450A; Macdonald Campus of McGill University/Faculty of Agricultural & Environmental Sciences/Department of Animal Science
	Milk Production and Biosynthesis University of Guelph/Dairy Science and Technology (1998) www.foodsci.uoguelph.ca/dairyedu/biosyntheses.html
	Milk Production, Released 7-18-2006, by the National Agricultural Statistics Service (NASS), Agri. Stats. Board, US Dept of Agri.
	De Vries, A. Economic Value of Pregnancy in Dairy Cattle Journal of Dairy Sci. 89:3876-3885/American Dairy Sci. Assoc. 2006
	Garner, D.L. et al., Viability Assessment of Mammalian Sperm Using SYBR-14 and Propidium Iodide, 1996, Biology of Reproduction, Vol.53, pp 276-284

	Wong, P.Y.D., et al. Potassium Movement During sodium-Induced Motility Initiation in the Rat Caudal Epididymal Spermatozoa; <i>Biology of Reproduction</i> 28, 206-212 (1983)
	Shirai, H., et al. Regulation of Sperm Motility in Starfish; <i>Development, Growth, and Differentiation</i> ; 24, (5), 419-428 (1982)
	Padilla, A.W. et al. Extender and Centrifugation Effects on the Motility Patterns of Slow-Cooled Stallion Spermatozoa; <i>J. Anim. Sci</i> 1991, 69:3308-3313
	Ohta H., et al., Acquisition and Loss of Potential for Motility Of spermatozoa of the Japanese Eel <i>Anguilla Japonica</i> , National Research Institute of Aquaculture, UNJR Aquiculture; 28th Panel Proceedings (1999)
	Morisawa, M. The Process of the Initiation of Sperm Motility; Laboratory of Physiology, Ocean Research Institute, University of Tokyo (1986)
	McGrady, A.V., et al. Cholinergic Effects on Bull and Chimpanzee Sperm Motility; <i>Biology of Reproduction</i> 15, 248-253 (1976)
	Klinc, P. Dissertation - Improved Fertility of Flowcytometrically Sex Selected Bull Spermatozoa , School of Veterinary Medicine Hanover Germany, 2005
	Jones, J.M. et al Acidification of Intracellular pH in Bovine Spermatozoa Suppresses Motility and Extends Viable Life, <i>Journal of Andrology</i> , Vol. 21, No. 5, September/October 616-624
	Jenkins, A. D., et al. Concentrations of Seven Elements in the Intraluminal Fluids of the Rat Seminiferous Tubules, Rete Testis, and Epididymis; <i>Biology of Reproduction</i> 23, 981-987 (1980)
	Darszon, A., et al. Ion Channels in Sperm Physiology, <i>Physiological Reviews</i> , Vol. 27, No. 2, April 1999
	Christen, R., et al. Metabolism of Sea Urchin Sperm, the <i>Journal of Biological Chemistry</i> , Vol 25, NO. 9, Issue of May 10, pp.
	Babcock, D. F., et al. Potassium-dependent increases in cytosolic pH stimulate metabolism and motility of mammalian sperm, <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 80, pp. 1327-1331, March 1983
	Zilli, L., et al. Adenosine Triphosphate Concentration and -D-Glucuronidase Activity as Indicators of Sea Bass Semen Quality; <i>Biology of Reproduction</i> 70,1679–1684 (2004)
	Hanania, E. G, et al. A novel Automated Method of Scanning Cytometry and Laser-Induced Necrosis Applied to Tumor Cell Purging, <i>Blood</i> . 15 November 1999, Vol. 94, No. 10, suppl 1 part 1
	Purdy, P. H. et al., Effect of Adding Cholesterol to Bull Sperm Membranes on Sperm Capacitation, the Acrosome Reaction, and Fertility, <i>Biology of Reproduction</i> 71, 522-527 (2004)
	Purdy, P. H. et al., Effect of cholesterol-loaded cyclodextrin on the cryosurvival of bull sperm, <i>Cryobiology</i> 48 (2004) 36-45
	Moce E., et al., Cholesterol-loaded cyclodextrins added to fresh bull ejaculates improve sperm cryosurvival, <i>J. Anim. Sci</i> , 2006, 84:826-833
	Ereth, B.A., et al. Integration of Early Weaning and Sexed Semen into a Single-Calf Heifer System to Increase Value of Non-Replacement Heifers; <i>Proceedings, Western Section, American Society of Animal Science</i> , Vol. 51,441-443, June 2000
	Ereth, B.A., et al. Integration of Early Weaning and Sexed Semen into a Single-Calf Heifer System to Increase Value of Non-Replacement Heifers; <i>Abstract Only, Journal of Animal Science</i> , Vol. 78, Supplement 2, 2000
	Bavister, B.D. et al., The effects of Sperm Extracts and Energy Sources on the Motility and Acrosome Reaction of hamster Spermatozoa in vitro; <i>Biology of Reproduction</i> 16, 228-237 (1997)

	Fattouh, El-S.M. et al., Effect of Caffeine on the Post-Thaw Motility of Buffalo Spermatozoa; Theriogenology, July 1991, vol. 36 No. 1
	Koh-ichi Hamano, et al., Gender Preselection in Cattle with Intracytoplasmically injected, flow cytometrically sorted sperm heads, Biology of Reproduction 60, 1194-1197 (1990)
	Hollinshead, F.K. et al., Birth of lambs of pre-determined sex after in vitro production of embryos using frozen-thawed sex-sorted and re-frozen-thawed ram spermatozoa, Reproduction (Cambridge, England) May 2004, Vol. 127, o. 5, pages 557-568
	Nikkei Biotech, Supplement, Latest Information of Biological Instruments and Reagents, 1988, pp. 93-94
	Pursley, J.R. et al., Reproductive Management of Lactating Dairy Cows Using Synchronization of Ovulation; 1997 J. Dairy Sci 80:301-306
	Bagnato, A., Genetic and Breeding; Phenotypic Evaluation of Fertility Traits and Their Association with Milk Production of Italian Friesian Cattle; 1994 J. Dairy Sci 77:874-882
	Panskowski, J., A., et al. Use of Prostaglandin F2a as a Postpartum Reproductive Management Tool for Lactating Dairy Cows; 1995 J. Dairy Sci 78:1477-1488
	Scipioni, R. L., et al., Short Communication: An Electronic Probe Versus Milk Progesterone as Aids for Reproductive Management of Small Dairy Herds; 1999 J. Dairy Sci 82:1742-1745
	Fricke, P. M., Scanning the Future - Ultrasonography as a Reproductive Management Tool for Dairy Cattle; J. Dairy Sci 85:1918-1926
	Grant, V. J., et al., Sex-Sorted Sperm and Fertility: An Alternative View; Biology of Reproduction 76, 184-188 (2007)
	Garner, D. L., Sex-Sorting Mammalian Sperm: Concept to Application in Animals; Journal of Andrology, Vol. 22, No. 4 July/Aug. 2001
	Tubman, L.M. et al., Characteristics of calves produced with sperm sexed by flow cytometry/cell sorting; 2004 Amer. Society of Animal Sciences; 82:1029-1036
	Weigel, K. A., Exploring the Role of Sexed Semen in Dairy Production Systems; J. Dairy Sci. 87: (E.Suppl.): E120-E130; 2004 American Dairy Science Assoc.
	Ferre, L., In vitro-derived embryo production with sexed and unsexed semen from different bulls; Reproduction Fertility and Development, Vol 16, Part 1/2, Page 253, 2004
	Dalton, J.C., et al., Effect of Time of Insemination on Number of Accessory Sperm, Fertilization Rate, and Embryo Quality in Nonlactating Dairy Cattle. J Dairy Sci. 84:2413 - 2418
	Dransfield, M.B.G., et al., Timing of Insemination for Dairy Cows Identified in Estrus by a Radiotelemetric Estrus Detection System. 1998 J Dairy Sci. 81: 1874 - 1882
	Maatje, K. et al. Predicting Optimal Time of Insemination in Cows that Show Visual Signs of Estrus by Estimating onset of Estrus with Pedometers
	Nebel, R.L. et al. Timing of Artificial Insemination of Dairy Cows: Fixed Time Once Daily Versus Morning and Afternoon 1994 J Dairy Sci. 77:3185 - 3191
	Pursley, J. Richard, et al. Effect of Time of Artificial Insemination on Pregnancy Rates, Calving Rates, Pregnancy Loss, and Gender Ratio After Synchronization of Ovulation in Lactating Dairy Cows. 1998 J Dairy Sci. 81: 2139- 2144
	Rozeboom, K. J. et al. Late Estrus or Metestrus Insemination After Estrual Inseminations Decreases Farrowing Rate and Litter Size in Swine J. Animal Sci. 1997. 75: 2323 - 2327
	Peeler, I. D. et al. Pregnancy Rates After Times AI of Heifers Following Removal of Intravaginal Progesterone Inserts, J. Dair Sci., 87:2868-2873; 2004
	Rath, D. Low Dose Insemination in the Sow - A Review, Reprod. Dom Anim. 37, 201-205 (2002) www.blackwell.de/synergy .

	Lukaszewicz, M. et al. Attempts on freezing the Greylag (Anser anser L.) gander semen Animal Reproduction Science 80 (2004) 163-173
	Foote, R. H. et al. Sperm Numbers Inseminated in Dairy Cattle and Nonreturn Rates Revisited 1997 J Dairy Science 80:3072-3076
	Conley, H.H. et al. Intensification by Intrauterine Devices of Sperm Loss from the Sheep Uterus Biology of Reproduction 2, 401-407 (1970)
	Chrenek, Peter et al. Fertilizing Capacity of Transgenic and Non-Transgenic Rabbit Spermatozoa after Heterospermic Insemination Bull Vet. Inst. Pulawy 49, 307-310, 2005
	Bakst, Murray R. Fate of Fluorescent Stained Sperm following Insemination: New Light on Oviculac Sperm Transport and Storage in the Turkey
	Johnson L.A., et al. use of boar spermatozoa for artificial insemination, II. Fertilization Capacity of fresh and frozen spermatozoa in gilts inseminated either at a fixed time or according to walsmeta readings, Journal of Animal Science, vol. 54 No. 1, 1982 pp 126-131
	Pursel, V. G., et al. Distribution and morphology of fresh and frozen-thawed sperm in the reproductive tract of gilts after artificial insemination; Biology of Reproduction 19, 69-76 (1978)
	Rath, D., "On the Status of Sex-Specific Sperm Sorting" Review lecture ET Conference 2002, Department of Animal Production and Animal Behaviour, Mariensee, Germany
	Grossfeld, R., "Experiments to Improve the Quality of Sex-Sorted Fresh and Frozen Porcine Spermatozoa" PhD thesis of the Faculty of Agricultural Sciences, Georg-August University, Gottingen, May 2007
	de Graaf, S.P. et al., Birth of offspring of pre-determined sex after artificial insemination of frozen-thawed, sex-sorted and re-frozen-thawed ram spermatozoa, Theriogenology, 67 (2007) 391-398
	O'Brien, J.K. et al., Development fo sperm sexing and associated assisted reproductive technology for sex preselection of captive bottlenose dolphins, Reproduction Fertility and Development, 2006, 18, 319-329
	Zhang, M, et al., In vitro fertilization with flow-sorted buffalo sperm, Reproduction Fertility and Development, 2005, 18(2), 283-284
	Schenk, J.L. et al., Insemination of cow elk with sexed frozen semen, 2003 Theriogenology 59, 514
	BD Biosciences Brochure, BD FACSCalibur Flow Cytometer, the Automated, Multicolor Flow Cytometry System, 2006
	Johnson, L. A. et al., Cryopreservation of flow cytometrically sorted boar sperm: effects on in vivo embryo developmen; J. Anim Sci. Vol. 78, Suppl 1/J. Dairy Sci., vol. 83, Suppl 1, 2000
	Lindsey, A., et al., "Hysteroscopic Insemination of Fresh and Frozen Unsexed and Sexed Equine Spermatozoa", pp. 152-153, Proc. 5th Int. Symp. Equine Embryo Transfer, P. 13, 2000
	Presicce, G.A., et al., First established pregnancies in mediterranean italian buffaloes (bubalus bubalis) following deposition of sexed spermatozoa near the utero tubal junction, Reproduction in Domestic Animals, Volume 40, Number 1, February 2005 , pp. 73-75(3)
	Dielemann, S.J., Superovulation in cattle: from understanding the biological mechanisms to genomics of the oocyte; 23 rd Annual Meeting A.E.T.E. – Alghero; Sept. 2007
	Hasler, J. F., Factors influencing the success of embryo transfer in cattle; 23 rd World Buiatrics Congress, Quebec, Canada July 2004

	Mapletoft, R. J. et al., Superovulation in perspective, Bioniche Animal Health, December 2002
	Bahr, G.F. et al., Considerations of volume, mass, DNA, and arrangement of mitochondria in the midpiece of bull spermatozoa, Experimental Cell Research 60 (1970) 338-340
	Baumber, J., et al., "The Effect of Reactive Oxygen Species on Equine Sperm Motility, Viability, Acrosomal Integrity, Mitochondrial Membrane Potential, and Membrane Lipid Peroxidation", 2000, Journal of Andrology, Vol.21 (6), pp.895-902
	BD LSR II Flow Cytometer, BD Biosciences Clontech Discovery labware Immunocytometry systems Pharmingen 1/28/04
	Bermudez, D. et al., The immediate effect of IR, laser radiation on rat , germ, cells, was studied by cytophotometric quantification, Scisearch 2001
	Sequent Biotechnologies Inc., Welcome to the Sequent Biotechnologies Inc. website., http://www.sequentbiotech.com/ 12/6/03
	Brooks, D.E., Manipulation of Mammalian Gametes in Vitro, Biennial Report, Waite Agricultural Research Institute 1986 -1989
	Bruemmer, J.E. et al., "Effect of Pyruvate on the Function of Stallion Spermatozoa Stored for up to 48 Hours", Journal of Animal Science 2002, vol. 80*1, pp.12-18
	Catt, S.L. et al., Hoechst staining and exposure to UV laser during flow cytometric sorting does not affect the frequency of detected endogenous DNA nicks in abnormal and normal human spermatozoa, Molecular Human Reproduction vol.3 no.9 pp. 821-825,(1997)
	Chaudhry, P., et al., Casein Kinase II activity and polyamine-stimulated protein phosphorylation of cytosolic and plasma membrane proteins in bovine sperm, Archives of Biochemistry and Biophysics Vol.271, No.1 pp.98-106, 5/15/89
	Chen, Y. et al., Effects of sucrose, trehalose, hypotaurine, taurine, and blood serum on survival of frozen bull sperm, Cryobiology 30,423-431 (1993)
	Chapter 16 Semen processing, storage, thawing, and handling, http://nongae.gsnu.ac.kr/~cspark/teaching/chap16.html 9/23/02
	Conover, J. et al., Pre-loading of mouse oocytes with DNA-specific fluorochrome (Hoechst 33342) permits rapid detection of sperm-oocyte fusion, Journals of Reproductive & Fertility Ltd. 82, 681-690 (1988)
	Cressman, B.E. MD, et al., Effect of sperm dose on pregnancy rate from intrauterine insemination: a retrospective analysis, Texas Medicine, 92:74-79 (1996)
	Crissman, H.A. et al., Use of DIO-C5-3 to improve hoechst 33342 uptake, resolution of DNA content, and survival of CHO cells, Experimental cell research 174: 338-396 (1988)
	Graves, C.N., et al., "Metabolism of Pyruvate by Epididymal-Like Bovine Spermatozoa", 1964 Journal of Dairy Science Vol.47 (12), pp.1407-1411
	Certified Semen Services, CSS Minimum requirements for disease control of semen produced for AI, http://www.naab-css.org/about_css/disease_control-2002.html 9/22/03
	Culling, "Handbook of Histopathological and Histochemical Techniques, "3rd Ed., Butterworths, pp.192
	De Grooth, B. et al., Simple delay monitor for droplet sorters, Cytometry 12:469-472 (1991)
	Lodge, J.R., et al., "Carbon Dioxide in Anaerobic Spermatozoan Metabolism" 1968, Journal of Dairy Science, Vol. 51(1), pp. 96-103
	Delgado, N. et al., Correlation between sperm membrane destabilization by heparin and aniline blue staining as membrane integrity index, Archives of Andrology 40:147-152 (1998)

	Denniston, D.J. et al., "Effect of Antioxidants on the Motility and Viability of Cooled Stallion Spermatozoa", Journal Reproduction Supplement 56, 2001, pp. 121-126
	Donoghue, A. et al., Effects of water- and lipid-soluble antioxidants on turkey sperm viability, membrane integrity, and motility during liquid storage, Poultry Science 76:1440-1445 (1997)
	Durack, Gary; "Cell - Sorting Technology", Emerging Tools for Single-cell Analysis, Chapter 1 pgs.1-359.
	Zucker, R. et al., Utility of light scatter in the Morphological analysis of sperm, Cytometry 13:39-47 (1992)
	Ericsson, S. et al., Interrelationships among fluorometric analyses of spermatozoal function, classical semen quality parameters and the fertility of frozen-thawed bovine spermatozoal, Theriogenology 39:1009-1024 (1993)
	Ericsson, et al. "Flow Cytometric Evaluation of Cryopreserved Bovine Spermatozoa Processed Using a New Antibiotic Combination", Theriogenology, 1990, vol.33(6), pp. 1211-1220
	Cho, et al. A microfluidic device for separating motile sperm from nonmotile sperm via inter-streamline crossings,
	Ericsson, R. et al., Functional differences between sperm bearing the X- or Y-chromosome,
	Esteves, S. et al., Improvement in motion characteristics and acrosome status in cryopreserved human spermatozoa by swim-up processing before freezing, Human Reproduction vol.15 no.10 pp.2173-2179 (2000)
	Evenson, D. et al., Physiology and Management, Rapid determination on sperm cell concentration in bovine semen by flow cytometry, J Dairy Sci. 76: 86 - 94 (1993)
	Farrell et al., "Quantification of Bull Sperm Characteristics measured by Computer-Assisted Sperm Analysis (CASA) and the Relationship of Fertility", Theriogenology, 1998, vol.49 (4), pp. 871-879
	Fitzgerald, D., Cell sorting: An enriching Experience, The Scientist 7/23/01
	Foot, R., The history of artificial insemination: Selected notes and notables, American Society of Animal Science (2002)
	Foot, R., Functional differences between sperm bearing the X- or Y- chromosome
	Garner, D., Past, Present and future perspectives on sexing sperm, CSAS Symposium SCSA: 67-78.
	Johnson, L. et al., Sex preselection in mammals by DNA: A method for flow separation of X and Y Spermatozoa in humans,
	Johnson, L. et al., Recent advances in sex preselection of cattle: Flow cytometric sorting of X-&Y-chromosome bearing sperm based on DNA to produce progeny, Theriogenology 41:51-56 (1994)
	Ashwood-Smith, M., Debate Human sperm sex selection, Human Reproduction vol.9 no.5 pp.757-759 (1994)
	Pinkel, D. et al., Flow cytometry of mammalian sperm progress in DNA and morphology measurement, The Journal of Histochemical and Cytochemistry Vol.27 No.1 pp. 353-358 (1979)
	Fugger, E. et al., Birth of normal daughters after MicroSort sperm separation and intrauterine insemination, in-vitro fertilization, or intracytoplasmic sperm injection, http://www.microsort.net/HumRepro.htm 3/19/03
	Johnson, L. et al., Flow sorting of X and Y Chromosome-bearing Mammalian sperm: Activation and pronuclear development of sorted bull, boar, and ram sperm microinjected into hamster oocytes, Gamete Research 21:335-343 (1988)
	Salisbury, G.W., et al., "Reversal by Metabolic Regulators of CO ₂ -induced Inhibition of Mammalian Spermatozoa, 1959, Proc Soc Exp Biology Med, Vol. 101 (1) pp.187-189

	Centola, G.et al., Cryopreservation of human semen. Comparison of cryopreservatives, sources of variability, and prediction of post-thaw survival. PMID: 1601749 May-Jun 1992
	Bencic, D.C., et al., "Carbon Dioxide Reversibly Inhibits Sperm Motility and Fertilizing Ability in Steelhead (<i>Oncorhynchus mykiss</i>)" 2000, Fish Physiology and Biochemistry, vol. 23(4), pp 275-281
	Boatman, D.E. et al., "Bicarbonate Carbon Dioxide Regulation of Sperm Capacitation Hyperactivated Motility and Acrosome Reactions", 1991, Biology of Reproduction vol. 44(5), pp. 806-813
	Garcia, M.A. et al., "Development of a Buffer System for Dialysis of Bovine Spermatozoa Before Freezing III.Effect of Different Inorganic and Organic Salts on Fresh and Frozen-Thawed Semen", 1989, Theriogenology, vol. 31(5),pp. 1039-1048
	Courtens, J. et al., Numerical simulation for freezing and thawing mammalian spermatozoa. Evaluation of cell injuries at different depths in bags or straws during all steps of the technique,
	Eiman, M.et al., Trehalose-enhanced fluidity of the goat sperm membrane and its protection during freezing, Biology of Reproduction 69: 1245-1250 (2003)
	Foote, R.et al., Physiology and Management, Fertility of bull spermatozoa frozen in whole milk extender with trehalose, taurine, or blood serum, J. Dairy Sci. 76:1908-1913 (1993)
	Johnson, L. et al., Storage of bull semen, Animal Reproduction Science 62: 143-172 (2000)
	Johnson, L. et al.,Erratum to "Storage of bull semen", Animal Reproduction Science 62: 143-172 (2000)
	McNutt,T.et al., Electrophoretic gel analysis of Hoechst 33342 stained and flow cytometrically sorted bovine sperm membrane proteins, Reprod. Dom Anim.31: 703-709 (1996)
	Van der Werf, Julius, An overview of animal breeding programs; Animal Breeding Use of New Technologies (This is a Post Graduate Foundation Publication)
	Best, T. P. et al. "Nuclear Localization of Pyrrole-Imidazole Ployamide-Flourescein Conjugates in Cell Culture", PNAS, 2003, Vol.100(21), pp. 12063 - 12068
	Gygi, M.P., et al. "Use of Fluorescent Sequence-Specific Polyamides to Discriminate Human Chromosomes by Microscopy and Flow Cytometry", Nuci Acids Res. 2002, vol.30(13),pp.2790 - 2799
	Young, L.et al., Prolonged feeding of low levels of zearalenone to young boars,
	BD Biosciences, BD AccuDrop Potion, www.bdbiosciences.com, 9/2002
	Agarwal, A.et al., Filtration of spermatozoa through L4 membrane:a new method, Fertility and Sterility, Vol. 06, No.6, 12/1991
	Anzar, M.et al., Optimizing and Quantifing fusion of liposomes to mammalian sperm using resonance energy transfer and flow cytometric methods, Cytometry49:22-27 (2002)
	Anzar, M.et al., Sperm Apoptosis in fresh and cryopreserved bull semen detected by flow cytometry and it's relationship with fertility, Biology of Reproduction 66: 354-360 (2002)
	Arav, A.et al., New trends in gamete's cryopreservation, Molecular and Cellular Endocrinology 187:77-81 (2002)
	Arndt-Jovin et al., "Analysis and Sorting of Living Cells According to Deoxyribonucleic Acid Content", Journal Histochem. And Cytochem., 1977, Vol 25(7), pp. 585-589
	Arts,E.et al.,Evidence for the existence of lipid-diffusion barriers in the equatorial segment of human spermatozoa, Biochem J.384:211-218 (1994)

	Garner,D.et al., Spermatozoa and Seminal Plasma, Reproduction in farm animals 7th edition,
	Gadella B,et al., Dynamics in the membrain organization of the mammalian sperm cell and functionality in fertilization, Vet Quart. 21:142-146 (1999)
	Garner, D.et al., Chromatin stability in sex-sorted sperm, VII International Congress of Andrology,
	Garner,D. et al., Morphological and ultrastrutural Characterization of mammalian spermatozoa processed for flow cytometric DNA analyses, Gamete Research 10:339-351 (1984)
	Garner, D., et al., Effect of hoechst 33342 staining and laser illumination on the viability of sex-sorted bovine sperm, Theriogenology, vol.57 No.1, 1-810 (2002)
	Garner, D. et al., Assessment of spermatozoal function using dual fluorescent staining and flow cytometric analyses, Biology of Reproduction 34:, 127-138 (1986)
	Gebhard D., Sorting Viability....one more time, http://www.cyto.purdue.edu/hmarchiv/1998/2263.htm 2/14/04
	Givan,A., Flow Cytometry First Principles, (1992)
	Gledhill, B.et al., Identifying and separating X- and Y- Chromosome-bearing mammalian sperm by flow cytometry, Lawrence Livermore National Laboratory, 2/8/84
	Gledhill, B.et al., Identifing X- and Y- chromosome- bearing sperm by DNA content:Retrospective perspectives and prospective opinions'
	Gledhill, B.et al., Flow microfluorometric analysis of sperm DNA content: Effect of cell shape on the fluorescence distribution, J. Cell Physiol.87: 367-378
	Gledhill, B.et al., Flow cytometry and sorting of sperm and male germ cells, Flow Cytometry and sorting, second edition, pp. 531-551 (1990)
	Gordon et al., " Genetic Transformation of Mouse Embryos by Microinjection of Purified DNA", Proc. Natil Acad. Sci., 1980, vol. 77 (12), pp.7380-7384
	Graham, J.et al.,Analysis of sperm cell viability, Acrosomal integrity, and Mitochondrial function using flow cytometry, Biology of Reproduction 43: 55-64 (1990)
	Graham, J.et al., Effect of some Zwitter Ion buffers on freezing and storage of spermatozoa I, Bull, J. Dairy Sci 55: 372-378 (1992)
	Grogan, W. et al., DNA Analysis and sorting of viable mouse testis cells, The Journal of Histochemistry and Cytochemistry, vol. 29 no.6 pp.738-746, (1981)
	Guthrie, et al., "Flow Cytometric Sperm Sorting: Effects of Varying laser Power on Embryo Development in Swine", Mol. Reprod. And Develop., 2002,vol. 61 (1), pp.87-92
	Hacker-Klom, U.B., et al., Effect of doxorubicin and 4'-epi-doxorubicin on mouse spermatogenesis. Mutation Research International Journal on Mutagenesis vol. 159, pp 39-46. 1986.
	Hargrove, T. et al., Special Techniques, Part B Cryopreservation, Chapter 11B
	Hasler, J., Symposium: Reproductive Technology and Genetic improvementJ. Dairy Sci. 75:2857-2879 (1992)
	Held, A.et al., Quasi- CW Solid- state lasers Expand their reach, Photonics Spectra, 12/2002
	Hinkley, R.et al., Rapid visual detection of sperm-egg fusion using the DNA-Specific Fluorochrome Hoechst 33342, Developmental Biology 118: 148-154 (1986)
	Januskauskas, A.et al.,Assessment of sperm quality through Fluorometry and sperm chromatin structure assay in relation to field fertility of frozen-thawed semen from Swedish AI bulls, Theriogenology 55: 947-961 (2001)
	Jeyendran, R.S. et al., Effect of glycerol and cryopreservation on oocyte penetration by human spermatozoa, PMID: 4025843, 7/6/06

	Johnson, L., A flow cytometric/ sorting method for sexing mammalian sperm validated by DNA analysis and live births, Cytometry, page 42 of supplement , 9/4/1990
	Johnson, L., Flow sorting of intact X & Y chromosome-bearing mammalian spermatozoa, The Journal of the Society for Analytical Cytology Cytometry, (1988)
	Zhang, M. et al., Development of bovine embryos after in vitro fertilization of oocytes with a flow cytometrically sorted, stained and unsorted sperm from different bulls, Theriogenology 60: 1657-1663 (2003)
	Jones, R. et al., Effect of Osmolality and Phosphate, "Tris", "Tes", "Mes", and "Herpes" Hydrogen ion buffers on the motility of bull spermatozoa stored at 37 or 5°C, Aus J. Biol. Sci. 25:1047-1055 (1972)
	Jones, R., Plasma membrane structures and remodelling during sperm maturation in the epididymis, Journal of Reproduction and Fertility (1998)
	Gerrits, Roger J. Application of Biotechnology to Animal Production US Dept. of Agriculture, Beltsville Maryland.
	Johnson, L., Separation of X and Y Chromosome-bearing mammalian sperm by DNA content cytometric analysis and sorting, US Department of Agriculture,
	Johnson, M., The Macromolecular Organization of membranes and its bearing on events leading up to Fertilization, Journal of Reproduction and Fertility (1975)
	Johnson, L., Verified Sex Pre-Selection in Farm Animals,
	Johnson, L., Progress towards achieving sex preselection in farm animals, USDA Agricultural Research Service, (1989)
	Keeler, K. et al., Flow microfluorometric analysis of living spermatozoa stained with Hoechst 33342, J. Reprod. Fert. 68:205-212 (1983)
	Keij, J. et al., High speed Photodamage cell sorting: An evaluation of the Zapper Prototype, Methods in cell Biology Vol. 42, (1994)
	Kirchhoff, C. et al., The Molecular biology of the sperm surface: Post-Testicular Membrane Remodelling, The Fate of the Male Germ Cell, (1997)
	Krueger, C. et al., Low dose Insemination in synchronized gilts, Theriogenology 52: 1363-1373 (1999)
	Lahdetie, J., Induction and survival of micronuclei in rat spermatids. Comparison of two meiotic micronucleus techniques using cyclophosphamide, Mutation Research, 203:47-53 (1988)
	Laser Innovations - Applications, http://www.laserinnovations.com/488nm.htm 2/2/04
	Libbus, B. et al., Incidence of chromosome aberrations in mammalian sperm stained with Hoechst 33342 and UV-laser irradiated during flow sorting, Mutation Research, 182: 265 - 274 (1987)
	Loken, M., Separation of viable T and B lymphocytes using a cytochemical stain, Hoechst 33342, The Journal of Histochemistry and Cytochemistry, vol. 28, no. 1, pp. 36-39 (1980)
	Lucas, J. et al., Orientation measurements of microsphere doublets and metaphase chromosomes in flow, Cytometry 7:575-581 (1986)
	Luttmer, S. et al., Examination of living and fixed gametes and early embryos stained with supravital fluorochromes (Hoechst 33342 and 3,3'-dihexyloxacarocyanine iodide), Gamete Research 15:267-283 (1986)
	Masaki, J. et al., Effect of bull seminal plasma on the membrane characteristics of boar epididymal spermatozoa,
	Maxwell, W. et al., Physiology of spermatozoa at high dilution rates: The influence of seminal plasma, Theriogenology 52: 1353-1362 (1999)
	Mazur, P., The role of Intracellular freezing in the death of cells cooled at supraoptimal rates, Cryobiology 14:251-272 (1977)

	McSweeney,K.et al., Abstract: Insemination of lactating holstein cows with sexed frozen/thawed sperm, http://www.cvmbs.colostate.edu/physio/abstract/ges12.html 3/16/04
	Medeiros,C. et al., Current status of sperm cryopreservation: Why isn't it better? <i>Theriogenology</i> 57: 327-344 (2002)
	Meistrich, M., Potential and limitations of physical methods for separation of sperm bearing an X- or Y- chromosome,
	Meistrich, M.et al., "Cytogenetic" studies of spermatids of mice carrying Cattanach's translocation by flow cytometry, <i>Chromosoma</i> 74:141-151 (1979)
	Morrell, J. et al., Offspring from inseminations with mammalian sperm stained with Hoechst 33342, either with or without flow cytometry, <i>Mutation Research</i> 224:177-183 (1989)
	Morrell et al., "Sexing of Sperm by Flow Cytometry", <i>The Veterinary Record</i> , 1988, pp.322-324.
	Morrier, A.et al., Glycerol addition and conservation of fresh and crypreserved ram spermatozoa, <i>Canadian Journal of AnimalScience</i> , 9/2002 http://pubs.nrc-cnrc.gc.ca/aic-journals/2002ab/cjas02/sep02/cjas01-045.html
	Moruzzi, J., Selecting a mammalian species for the separation of X- and Y- chromosome-bearing spermatozoa, <i>J. Reprod. Fert.</i> 57:319-323 (1979)
	Murthi S. et al., Improved data acquisition system for digital flow cytometry, (2002)
	Gwo-Bin, L.et al., Multi-cell-line micro flow cytometers with buried SU-8/SOG Optical waveguides, 2/2002
	OcanaQuero, J.et al., Biological effects of helium-neon irradiation on acrosome reaction in bull, <i>Scisearch Journal of Photochemistry and Photobiology</i> , Vol. 40 No. 3, pp. 294-298 (1997)
	Pangawkar, G. et al., Physical and biochemical characteristics of semen in relation to fertility of Holstein-Friesian bulls, <i>Indian vet. Med.J.</i> vol.13: 21-26 (1989)
	Papa, S. et al., Chromatin organization in Isolated nuclei: Flow cytometric characterization employing forward and perpendicular light scatter, <i>Cell Biochemistry and Function</i> Vol. 6: 31-38 (1988)
	Parks, J. et al., Lipids of plasma membrane and outer acrosomal membrane from bovine spermatozoa, <i>Biology of Reproduction</i> 37:1249 -1258 (1987)
	Parks, J. Processing and handling bull semen for artificial insemination - Don't add insult to injury!, Department of Animal Science Cornell University
	Partec, Taking flow cytometry to the next generation, Catalogue 2001 - 2002
	Perez-Pe, R.et al., Semen plasma proteins prevent cold shock membrane damage to ram spermatozoa, <i>Theriogenology</i> 56 (3) : 425-434, 8/1/2001, PMID: 11516122 http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=search&DB=pubmed
	Peter, A. et al., Fractionation of bovine spermatozoa for sex selection: A rapid immunomagnetic technique to remove spermatozoa that contain the H-Y antigen, <i>Theriogenology</i> 40:1177- 1185 (1993)
	Petersen, Timothy W., et al, Stability of the Breakoff Point in a High-Speed Cell Sorter <i>The Journal of the international society for Analytical Cytology</i> , Vol.56A Num.2, 12/2003
	Pinkel Dan, Flow Cytometry and Sorting Analytical Chemistry, 3/1982 vol. 54 No.3
	Pinkel Dan, Cytometric Analysis of Mammalian Sperm for Induced Morphologic and DNA Content Errors; <i>Biological Dosimetry (Cytometric Approaches to Mammalian Systems)</i> 1984.
	Pinkel, D. et al; Radiation-Induced DNA Content Variability in Mouse Sperm. <i>Radiation Research An International Journal</i> , Vol.95, Num.3, 9/1983

	Piumi, F. et al., Specific cytogenetic labeling of bovine spermatozoa bearing X or Y chromosomes using florescent in situ hybridization (FISH), Genet, Sel. Vol. 33: 89-98 (2001)
	Polge, C., Low-temperature storage of mammalian spermatozoa, Unit of Reproductive Physiology and Biochemistry, Cambridge
	Edited by Bell-Prince, C. , NFCR Newsletter, http://www.ls.lanl.gov/NFCR/newsletter-Oc98/oct98.html 1/6/04
	Rasul, Z.et al., Changes in motion characteristics, plasma membrane integrity, and acrosome morphology during cryopreservation of buffalo spermatozoa, Journal of Andrology, Vol.22 Num.2, 3-4/2001
	Rees, William A., et al,Betaine Can Eliminate the Base Pair Composition Dependence of DNA Melting; Biochemistry 1993, 32, pgs. 137-144.
	Rens, W.et al.,An X-Y paint set and sperm FISH protocol that can be used for validation of cattle sperm separation procedures, Journals of Reproduction and Fertility, 121: 541-546 (2001)
	Reyes-Mereno, C.et al., Characterization of Secretory Proteins from cultured Cauda Epididymal Cells that significantly sustain bovine sperm motility, Molecular Reproduction and Development 63: 500-509 (2002)
	Rippel,N.et al., Transcervical insemination: Effects of variation in total sperm number/dose on fertility, 83rd Annual Fall Conference for Veterinarians, 10/2002
	Rizzo, W. et al.,Liposome-mediated transfer of simian virus 40 DNA and minichromosome into mammalian cells, J. Gen. Virol 64:911-919 (1983)
	Ruch, F., Determination of DNA content by microfluorometry, Introduction to Quantitative Cytochemistry, pp.281-294 (1966)
	Saacke, R.et al., Semen Quality test and their relationship to fertility, 4th National Association of Animal Breeders, (1972)
	Salisbury, G.W.,et al."Preservation of Bovine Spermatozoa in Yolk-Citrate Diluent and Field Results from its Use", Journal of Dairy Science, 1941, vol.24(11),pp.905-910
	Schroter, S.et al., The glycocalyx of the sperm surface, Human Reproduction Update: Vol.5, Num.4, pp.302-313 (1999)
	Schuster, T. et al., Isolation of motile spermatozoa from semen samples using microfluidics, Reproductive BioMedicine Online,Vol.7 Num.1 75-81, www.rbmonline.com/Article/847 , 4/16/03
	Seidel, George E. Jr. "What about sexed semen?" Hoard's Dairyman, The National Dairy Farm Magazine, 5/10/01
	Sexing Technologies, Welcome to sexing Technologies, http://www.sexingtechnologies.com/ 12/11/03
	Shapiro, Howard M. M.D.,Building Flow Cytometers Chapter 9. Practical Flow Cytometry, second edition, Property of Washington University Medical Library.
	Sharpe, J. et al., Radially symmetric excitation and collection optics for flow cytometric sorting of aspherical cells, Cytometry, 29:363-370 (1997)
	Shapiro, H., Re: cheap laser idea??, http://www.cyto.purdue.edu/hmarchiv/1998/1015.htm 2/3/04
	Smith, P.et al., Characteristics of a Novel Deep Red/ Infrared Fluorescent Cell-Permeant DNA Probe, DRAQ5, in Intact human Cells Analyzed by Flow Cytometry, Confocal and Multiphoton Microscopy, Cytometry 40:280-291 (2000)
	Stanger, J.et al., The Relationship between motility and the FITC-BSA binding Properties of Mouse epididymal spermatozoa, The Journal of Experimental Zoology 227: 323- 327 (1983)

	Stanic,P. et al.,Comparison of protective media and freezing techniques for cryopreservation of human semen, http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=search&DB=pubmed , 7/11/2000
	Stewart,R., Georgia Beef Challenge, Livestock Newsletter 1-2/2002
	Takacs, T.et al.,Flow Cytometric determination of the sperm cell number in diluted bull semen samples by DNA staining method, Acta Biochim.Biophys.Hung. Vol.22 Num.1, pp.45-57 (1987)
	Thurston,L. et al., Identification of Amplified restriction fragment length polymorphism markers linked to genes controlling boar sperm viability following cryopreservation, Biology Of Reproduction 66: 545-554 (2002)
	Tone,S.et al., A method of vital staining of mouse eggs using Hoechst dye, Department of Developmental Biology (1986)
	Tubman,L.et al., Abstract:Normality of calves resulting from sexed sperm, http://www.cvmb.colostate.edu/bms/abstract/ges12.html 3/16/04
	Tucker,K.et al., Sperm separation techniques:Comparison of gradient products, Proceedings 2ed International workshop for Embryologists: Troubleshooting activities in the ART lab. (2002)
	Van Dilla, M.et al., Measurement of Mammalian Sperm Deoxyribonucleic acid by Flow Cytometry, The journal of Histochemistry and Cytochemistry Vol.25 Num.7 pp.763-773 (1977)
	Vazquez, J.et al., Nonsurgical Uterotubal Insemination in the Mare, Reproduction: Mare Vol.44 (1998)
	Vishwanath,R.et al., Storage of bovine semen in liquid and frozen state, Animal Reproduction Science 62: 23 - 53 (2000)
	Washburn, S., Sex-Sorted Semen; Still several steps short of sensational, http://www.cals.ncsu.edu/an_sci/extention/animal/news/april96/april1965.html 3/16/04
	Welch,G.et al., Sex preselection: Laboratory Validation of the sperm sex ratio of Flow sorted X- and Y- sperm by sort reanalysis for DNA, Theriogenology 52:1343-1352 (1999)
	Welch, G.et al., Fluidic and optical modification to a facs IV for flow sorting of X&Y Chromosomes bearing sperm based on DNA, International Society for Analytical Cytology (1994)
	Wiltshire, M.et al., A Novel Deep Red/ Low infrared fluorescent flow cytometric probe DRAQ5NO, For the Discrimination of intact nucleated cells in apoptotic cell populations, Cytometry 39: 217-223 (2000)
	Woelders, H. et al., Effects of Trehalose and Sucrose, Osmolality on the freezing medium, and cooling Rate on Viability and intactness of bull sperm after freezing and thawing, Cryobiology 35: 93-105 (1997)
	Wolf, D., Lipid domains in sperm plasma membranes, Molecular Membrane Biology 12: 101-104 (1995)
	Wolf, D.et al., Changes in sperm plasma membrane lipid diffusibility after hyperactivation during In vitro capacitation in the mouse, The Journal of Cell Biology, Vol.102: 1372-1377(1986)
	Wolf, D.et al., Diffusion and regionalization in membranes of maturing ram spermatozoa,The Journal of Cell Biology, Vol.98:1678-1684 (1984)
	XY Files, Issue 1 6/1999
	X Y, Inc. , Sex selection Procedure, http://www.xyinc.com/sex_select.html , 2/21/03
	XY Files, Issue 4 8/2000
	XY Files, Issue 2 10/1999
	XY Files, Issue 3 3/2000

	XY Files, Issue 5 3/2001
	XY Files, Issue 6 3/2002
	Lindsey, A. C., et al., Hysteroscopic insemination of mares with low numbers of nonsorted or flow sorted spermatozoa; Equine vet. J. (2002) 34(2) 128-132
	Sharpe, Johnathan, Advances in flow cytometry for sperm sexing, Unpublished paper, 2008
	Johnson, S.K., Possibilities with today's reproductive technologies. Available online at www.sciencedirect.com ; Therio 64(2005) pgs.639-656
	Brogliatti, G. et al., Pregnancy Rates and First Born Calves by Artificial Insemination using Sexed Semen in Argentina: Therio. January 2, 2002, Vol.57, No.1 . Pg 369
	Palma, G. et al., Sperm Physiology: The Ability to Produce Embryos In Vitro using Semen from Bulls with a Low Non-Return Rate. Therio. Pg. 308
	Gottlinger, Christopher et al., Cell-Cooling in Flow Cytometry by Peltier Elements. Cytometry 7:295-297 (1986)